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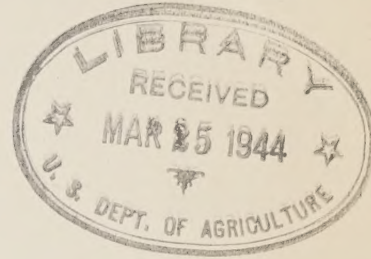
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AGRICULTURAL LIBRARY NOTES



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VOLUME 10

JANUARY - DECEMBER

1935

Edited by Claribel R. Barnett,
Librarian, United States Department of Agriculture

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AGRICULTURAL LIBRARY NOTES

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PRINCIPAL LIBRARY ACCESSIONS

Agriculture

- GILLESPIE, J. L. Pasture development in Australia. Ed. 2. [n.p., Sunshine harvester press, 1934?]
RINNE, LEO. The Estonian moor society and the experimental station of moor-cultivation at Tooma. Tartu, O/ü "Ilutrükk", 1934.

Bacteriology

- FLEMING, ALEXANDER, and PETRIE, G. F. Recent advances in vaccine and serum therapy. London, Churchill, 1934.
VANDEVELDE, A. J. J. Het rijk der microben. Mechelen, N.V. Het Kompas, 1934.

Botany

- BRITISH FLOWER MARKETING ASSOCIATION. Carnation disease investigation scheme. Progress report. pt.2-3. London, 1934.
GOOD, RONALD. Plants and human economics. Cambridge, University press, 1933.
LEWIS, FREDERICK. The vegetable products of Ceylon. Colombo, Associated newspapers of Ceylon, 1934.
PARKER, R. N. Common Indian trees and how to know them. Delhi, Forest research institute, Dehra Dun, 1933.
PORTERFIELD, W. M. Wayside plants and weeds of Shanghai. Shanghai, Kelly & Walsh, 1933.
RAUNKJÆR, CHRISTEN. Dansk ekskursions-flora. Ed. 5. København, Gyldendalske boghandel, 1934.

Cartography

- CHURCH, E. F. Supplemental topics in aerial photogrammetry concerning computations based upon comparator measurements. Syracuse, N. Y., 1933.

Chemistry

- ARMSTRONG, E. F., and ARMSTRONG, K. F. The carbohydrates. Ed. 5. London, Longmans, Green, 1934.
ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. Golden anniversary, 1834-1934. [n.p.] 1934.
BENNETT, HARRY. Practical everyday chemistry. New York, Chemical publishing Co. of New York, 1934.
LUNDEGARDH, H. G. Die quantitative spektralanalyse der elemente. Jena, Fischer, 1929.
SEARLE, A. B. The chemistry & physics of clays and other ceramic materials. Ed. 2. London, Benn, 1933.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Description and travel

- EMERSON, C. L. Wisconsin; scenic and historic trails. Madison, Straus, 1933.
RICE, J. H. The aftermath of glory. Charleston, S. C., Walker, Evans & Cogswell, 1934.

Domestic animals, Veterinary medicine

- HARRISON, FAIREFAX. Early American turf stock, 1730-1830. Being a critical study of the extant evidence for the English, Spanish and oriental horses and mares to which are traced the oldest American turf pedigrees. v. 1. Richmond, Va., Priv. print., The Old dominion press, 1934.
LARSEN, L. H. Die rindviehzucht in Dänemark insbesondere die zucht der roten dänischen milchrasse. 2. Übersicht von den zusammenwirkenden landwirtschaftsvereinen im stifte Seeland. 1933. Frederiksberg, 1933.
NÖLLER, WILHELM. Die leberfäule (leberegelkrankheit) unserer haustiere. Jena, Fischer, 1935.
NORDISKA VETERINÄRMÖTET. 4th, Helsingfors, 1933. 4. Nordiska veterinärmötet i Helsingfors den 10 - 12 juli 1933. Helsingfors, Tilgmanns tryckeri, 1934.
WORLD'S POULTRY CONGRESS. 5th, Rome, 1933. Atti. Roma, Ministero dell'agricoltura e delle foreste, Direzione generale dell'agricoltura, 1934.

Economics, Statistics

- BUCK, N. S., ed. Survey of contemporary economics. New York, Nelson, 1934.
CALIFORNIA. UNIVERSITY. HELLER COMMITTEE FOR RESEARCH IN SOCIAL ECONOMICS. Standards of relief in selected cities of the United States, 1933. Berkeley, Calif., 1934. Mimeographed.
CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA, Washington. Current national problems; an address by Henry I. Harriman, president. Washington, 1934.
COMMISSION OF INQUIRY INTO NATIONAL POLICY IN INTERNATIONAL ECONOMIC RELATIONS. International economic relations. Minneapolis, University of Minnesota press, 1934.
CROWTHER, SAMUEL. A primer; comment on the great constructive work of the President of the United States in making arithmetic the basic science of government. New York, Chemical foundation, 1934.
DEANE, A. L. The Deane plan. Mutual security - guaranteed jobs for the worker, a guaranteed market for industry. New York, 1934.
EMERY, BROOKS. The strategy of raw materials; a study of America in peace and war. New York, Macmillan, 1934.
FERNANDEZ, G. M. Bolsas y mercados de comercio. Rosario, Pomponio, 1934.
FISHER, IRVING. Are booms and depressions transmitted internationally through monetary standards? New Haven, Conn., 1934.
GT. BRIT. CENSUS OFFICE. Census, 1931. Classification of occupations. London, 1934.
GT. BRIT. CENSUS OFFICE. Census of England & Wales 1931. Occupation tables. London, 1934.
GT. BRIT. MINISTRY OF LABOUR. Reports of investigations into the industrial conditions in certain depressed areas of I. West Cumberland and Haltwhistle. II. Darham and Tyneside. III. South Wales and Monmouthshire. IV. Scotland. London, 1934.

PRINCIPAL LIBRARY ACCESSIONS

Economics, Statistics (Continued)

- HUBBARD, J. B., ed. Current economic policies; selected discussions. New York, Holt, 1934.
- LATVIA. VALSTS STATISTISKĀ PĀRVALDE. Exploitations agricoles nouvelles (D'après les renseignements du recensement agricole de 1929, d'après celui de la production agricole de 1929/1930 et d'après les données de la comptabilité agricole) Riga, 1934.
- MORRISON, H. C., jr., ed. One man's philosophy. Chicago, M. Kallis, 1934.
- OPPENHEIMER, LUDWIG. Gross-und kleinbetrieb in der siedlung. Berlin, Fischer, 1934.
- TENNESSEE TAXPAYERS ASSOCIATION, INC. A report of the survey of the finances and management of the government of Sullivan county, Tennessee. Nashville, 1934. Mimeographed.

Economics, Agricultural

- BERTHIER, LUCIENNE, and others. Les fruits de Provence en face des tendances de la concurrence de l'Est européen et du proche Orient. Aix-en-Provence, 1933. (Annales de la Faculté de droit d'Aix, n.s., no.22)
- BORSIG, ERNST VON. Reagrarisierung Deutschlands? Eine untersuchung über ihre möglichkeiten und grenzen. Jena, Fischer, 1934. (Munchener volkswirtschaftliche studien, n.f., hrsg. von Walther Lotz und anderen. hft. 21)
- BRIDGES, ARCHIBALD, and DIXEY, R. N. British sugar beet; ten years' progress under the subsidy. Oxford, Agricultural economics research institute, 1934.
- SCOTLAND. COMMITTEE ON VALUATION OF SHEEP STOCKS IN SCOTLAND. Report. Edinburgh, 1934.

Entomology

- PETERS, GERHARD. A short guide to free fumigation. Ed. 2. Francfort o.M., Deutsche gesellschaft für schädlingbekämpfung, 1934.

Filing

- AMERICAN INSTITUTE OF ARCHITECTS. Standard filing system for information on building materials and appliances. Washington, 1930.
- Alphabetical index to the Standard filing system. Washington, 1930.

Food

- EMERSON, G. A. Some nutrition studies with dogs. Berkeley, Calif. [1934?]
Mimeographed.
- HINTON, C. L. A summary of food laws & regulations. London, Nema press, 1934.
- PATTEE, A. F. Practical dietetics. Ed. 19. Mount Vernon, N. Y., A. F. Pattee, 1933.

Geography

- MORRISON, N. F. A commercial and economic geography. Toronto, Ryerson press, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Horticulture

- RUATTI, GIUSEPPE. Lo sviluppo frutticolo di Cles, Tuenno, Nanno, Tassullo, nella Valle di Non. Trento, Arti grafiche Saturnia, 1932.
WRIGHT, R. L. The winter diversions of a gardener. Philadelphia, Libbincott, 1934.

Learned societies

- ROYAL DUBLIN SOCIETY. Bi-centenary souvenir, 1731-1931. Dublin [1931?]

Milk

- LOVE, R. M. The milk problem. London, F. R. Britton, 1934.

Parks

- PHILADELPHIA. REGIONAL PLANNING FEDERATION OF THE PHILADELPHIA TRI-STATE DISTRICT. Nature's plan for parks and parkways; recreational lands in the Philadelphia tri-state district. Philadelphia, 1932.

Physiology

- MONCRIEFF, ALAN. Tests for respiratory efficiency. London, 1934. (Medical research council (Gt.Brit.) Special report series, no. 198)

Radio

- NATIONAL COMMITTEE ON EDUCATION BY RADIO. Some interpretations and conclusions of the land-air radio survey. By T. F. Tyler. Washington, 1933.

Reference books

- KELLER, H. R. The dictionary of dates. New York, Macmillan, 1934.

Roads

- SMITH, R. A. B. Design and construction of concrete roads. London, Concrete publications, 1934.

Rubber

- RITZ, FRANZ. Kautschukjäger im urwald. Zürich-Leipzig, Füssli, 1934.

Sericulture

- ENTE NAZIONALE SERICO. I principali provvedimenti legislativi riguardanti la sericoltura e l'industria serica. Milano, 1934.

Soils

- INDIA. MYSORE. DEPT OF AGRICULTURE. Irwin canal soil survey report series. no. 1. Bangalore, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(continued)

Taxation

- ILLINOIS. LAWS, STATUTES, ETC. Tax laws, compiled and annotated, issued by Illinois state tax commission. Chicago, 1934.
- WISCONSIN TAXPAYERS ALLIANCE. Wisconsin taxes. Madison, 1934.

Transportation

- CANADA. PARLIAMENT. SENATE. SPECIAL COMMITTEE ON TOURIST TRAFFIC. Report and proceedings. Ottawa, 1934.
- VICTORIA, AUSTRALIA. TRANSPORT REGULATION BOARD. Further (second) report relating to the better and more economic co-ordination and the better regulation and control of railway and road motor transport. Melbourne, 1933.
- WISCONSIN. LAWS, STATUTES, ETC. Wisconsin statutes relating to the public service commission of Wisconsin and the regulation of railroads including street and interurban railways and express and telegraph companies. Madison, Public service commission of Wisconsin, 1933.

Welding

- BARDTKE, PAUL. Technique of modern welding. Authorized translation from the second German edition, by Harold Kenney. London, Blackie, 1933.

Zoology

- ANGEL, M. F. Sur une collection de reptiles et de batraciens de Madagascar. Paris, 1934. (Faune des colonies françaises, pub. sous la direction de A. Gruvel. tome 5, fasc.6)
- CHABANAUD, PAUL. Contribution à l'ostéologie des chéloniens pleurodires de la famille des pelomedusidés. Paris, 1934. (Faune des colonies françaises, publ sous la direction de A. Gruvel. tome 5, fasc. 5)
- CHABANAUD, PAUL. Poissons (premier mémoire) Paris, 1934. (Faune des colonies françaises, pub. sous la direction de A. Gruvel. tome 5, fasc. 4)
- CONTRIBUTION à l'étude des crustacés de Madagascar. Paris, 1934. (Faune des colonies françaises, pub. sous la direction de A. Gruvel. tome 5, fasc.8)
- LANCASHIRE SEA-FISHERIES LABORATORY. James Johnstone memorial volume. Liverpool, 1934.
- LAVAUDEN, LOUIS. Les grands animaux de chasse de l'Afrique française (A.O.F., A.E.F. et Cameroun) Paris, 1934. (Faune des colonies françaises, pub. sous la direction de A. Gruvel. tome 5, fasc. 7)
- ROSTAND, JEAN. Toads and toad life. Translated by Joan Fletcher. London, Methuen, 1934.
- SLEVIN, J. R. A handbook of reptiles and amphibians of the Pacific States. San Francisco, California academy of science, 1934.

Theses

- BARABÁS, ISTVÁN. Hämatologische und serologische untersuchungen an gegen den geflügeltyphus vakzinierten hühnern. Budapest, 1931. Inaug.-diss. Budapest.
- BARROS BARRETO, A. L. C. de A. de. Reviso da sub-familia Subulurinae Travassos, 1914. Rio de Janeiro, 1918. Thesis. Rio de Janeiro.

PRINCIPAL LIBRARY ACCESSIONS

Theses (continued)

- BEYER, HERBERT. Vergleichende untersuchungen auf verschiedenen mit pflanz und fräse bearbeiteten böden. Dresden, 1934. Inaug.-diss. Leipzig.
- KIS, SÁNDOR. Vergleichende untersuchungen über die praeventive subcutane und intracutane milzbrand-schutzimpfung. Budapest, 1931. Inaug.-diss. Budapest.
- Auszug.
- HUENDER, W. J. De Engelsche geographie in der 20ste eeuw. Utrecht, 1934. Proefschrift. Utrecht.

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JAMES CLEGHORN'S ESSAY ON THE DEPRESSED STATE OF AGRICULTURE

James Cleghorn's essay on the Depressed State of Agriculture is a contemporary analysis of the agricultural depression which followed the Napoleonic Wars. It was voted "a piece of plate of 50 guineas value" and ordered published by the Highland Society of Scotland in 1822. Being foremost among the literature on the post-Napoleonic depression, it is of considerable interest to those students of the agricultural depression of our own day who have manifested a curiosity in similar conditions in the past, hoping that comparisons may furnish a perspective from which the current situation can be viewed with greater insight. The similarity of the general problems of agriculture and the relief measures proposed in the years following the Napoleonic period and those of our own post-war period are striking. Believing that the discernment manifested in James Cleghorn's study justifies its being more widely known, the Division of Statistical and Historical Research of the Bureau of Agricultural Economics has reissued it in mimeographed form, with a foreword by Everett E. Edwards and two charts depicting wholesale price indices. A limited number of copies are available for free distribution.

James Cleghorn (1778-1838) was a native of Dunse, Scotland. His early life was devoted to farming. In 1811 he moved to Edinburgh, where he edited the Farmers' Journal. Six years later he assumed the co-editorship of the Edinburgh Monthly Magazine, of which only six numbers were issued. Subsequently he was connected with the Scots Magazine. He contributed an article on agriculture to the seventh edition of the Encyclopaedia Britannica which was also issued separately. Cleghorn was an actuary of the Edinburgh National Security Savings Banks, and won a high reputation for his ability and achievements in the actuarial and accounting fields. -- Everett E. Edwards.

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PLANT SCIENCE LITERATURE

Beginning January 1935 the following changes were made in the mimeographed literature lists issued by the Bureau of Plant Industry library. "Agronomy Current Literature" was discontinued, the last issue being v. 9, no. 23, Dec. 10-22, 1934. The more important contributions formerly indexed for this list are now included in "Plant Science Literature" which is a new title for "Botany Current Literature". This list of botanical publications was started in 1913 as "Current Author Entries", the title being changed in 1925 to "Botany Current Literature". The entries are mainly those indexed for the botanical catalog of the bureau. They are arranged by the name of the periodical

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Office of the Secretary

WILSON, M. L. Agricultural adjustment; some problems ahead. Com. Fert. 50; 14-16, 18-25. Jan. 1933.

Agricultural Adjustment Administration

DAVIS, C. C. An accounting to partners. Northwest, Miller 180; 496-497. Nov. 21, 1934.

Bureau of Agricultural Economics

EDWARDS, E. E. A bibliography of the writings of professor Ulrich Bonnell Phillips. (Adapted from the London (Ontario) Free Press, Feb. 27, 1934.) Agr. Hist. 8; 196-218. Oct. 1934. (Introduction, by Fred Landon, of the Univ. of Western Ontario, 196-199.)

----- Book review. (The civilization of the old Northwest: a study of political, social, and economic development, 1788-1812, by Beverley W. Bond, Jr. N. Y., MacMillan Co., 1934. 543 p.) Agr. Hist. 8:224-225. Oct. 1934.

----- Book review. (Essays upon field husbandry in New England, and other papers, 1748-1762, by Jared Eliot. Edited by Harry J. Carman and Rexford G. Tugwell, with biographical sketch by Rodney H. True. (Columbia Univ. Studies in the History of American Agriculture, 1.) N. Y., Columbia Univ. press, 1934. 261 p., illus.) Agr. Hist. 8: 223-224. Oct. 1934.

----- Book review. (A history of Ohio, by Eugene Holloway Roseboom and Francis Phelps Weisenburger. (Prentice-Hall History Series, Carl Wittke, editor.) N. Y., Prentice-Hall, 1934. 545 p., maps.) Agr. Hist. 8: 225. Oct. 1934.

----- Book review. (A history of West Virginia, by Charles Henry Ambler. (Prentice-Hall Hist. Series, Carl Wittke, editor.) N. Y., Prentice-Hall, 1933. 622 p., illus.) Agr. Hist. 8: 225-226. Oct. 1934.

----- Book review. (Zenon papyri: business papers of the Third Century B. C. dealing with Palestine and Egypt. Edited with introductions and notes by William Linn Westermann and Elizabeth Sayre Hasenochrl. (Columbia papyri: Greek Series, no. 3.) N.Y., Columbia Univ. Press, 1934. 177 p.) Agr. Hist. 8: 223. Oct. 1934.

HARPER, F. H. Cotton classing helps price. Prog. Farmer and South. Ruralist. Miss. Val. Ed. 49(11): 12. Nov. 1934.

PETERSON, A. G. Book review. (Decline and recovery of wheat prices in the 'nineties, by Helen C. Farnsworth. (Wheat studies of the Food Research Institute, v.10, nos. 8 and 9.) Stanford Univ., Calif., June and July, 1934, 239-352 p.) Agr. Hist. 8(4): 226-227. Oct. 1934.

----- Book review. (Hard winter wheat pools: an experiment in agricultural marketing integration, by Joseph G. Knapp. Chicago, 1933. Univ. Chicago Press, 180 p.) Agr. Hist. 8: 227. Oct. 1934.

----- A visit to Sweden. Kanabec County (Minn.) Times 51(13): 4; (14): 4. Dec. 6, 13, 1934.

McCARREY, B. F. What does meat grading mean to the modern restaurant? Amer. Restaurant Mag. 17: 39. Dec. 1934.

*These lists are prepared in the bureaus under which they are given, with the exception of the Office of the Secretary and the Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(continued)

Bureau of Agricultural Engineering

- BENNETT, C. A. Care and maintenance of gins at close of season. Cotton Ginners Jour. 3 (2): 5-6, 16. Nov. 1934.
- HUKILL, W. V. Anemometer for measuring low air velocities. Refrig. eng. 28:197. Oct. 1934.
- MCCALDINE, J. R. Experimental results with rammed earth construction. Agr. Engin. 15: 337. Nov. 1934.
- RAMSTER, C. E. Results of engineering experiments at Soil Erosion Station. Agr. Engin. 15: 331-386. Nov. 1934.
- SENNER, A. H. Government tests distillate burners. Fuel Oil Jour. 13(5): 46,49-50; (6): 45-46,51-52. Nov., Dec., 1934.

Bureau of Animal Industry

- BARTILSON, W. E. Pure-bred dollars. Country Gent. 105 (1) : 36 Jan. 1935.
- BUNYEA, H., COUCH, J. F., and CLAWSON, A. B. The nitrite-thiosulphate combination as a remedy for cyanide poisoning in sheep. Jour. Wash. Acad. Sci. 24 : 523-532. Dec. 15, 1934.
- BURROWS, W. H. Egg facts. Country Gent. 105 (1) : 65 Jan. 1935.
- CHITWOOD, B. G. (With M. B. CHITWOOD) The histology of nematocyst esophagi. III. The esophagus of Oesophagostomum dentatum. Jour. Wash. Acad. Sci. 24 : 557-562. Dec. 15, 1934.
- CLAWSON, A. B., BUNYEA, H., and COUCH, J. F. Remedies for cyanide poisoning in sheep and cattle. Jour. Wash. Acad. Sci. 24 : 369-385. Sept. 15, 1934.
- HALL, M. C. Romantic government versus unromantic government. Sci. Mo. (230) 39 : 434-442. Nov. 1934.
- HAMMOND, J. C. (With summary entitled "Assaying the results secured" by M. A. Jull) Effect of diet on growth fattening and egg production of poultry. A report on the McCollum poultry nutrition investigations at Beltsville, Md. (Second and last installment) U. S. Egg & Poultry Mag. 40 (12) : 30, 38, 64. Dec. 1934.
- HOWE, P. E. Comment (on the McCollum poultry feeding project) U. S. Egg & Poultry Mag. 41 (1) : 41. Jan. 1935.
- JULL, M. A. Bigger eggs. Poultry Tribune 41 (1) : 10, 32 Jan. 1935
- Future breeding program for the (poultry) industry. U. S. Egg & Poultry Mag. 41 (1) : 26-29, 57-60. Jan. 1935
- How hatcherymen can improve on hatchability. New England Poultryman 18 (11) : 12-14. Nov. 1934.
- Sex-linkage may solve your problem. Hatchery Tribune 8 (12) : 9, 24, 26. Dec. 1934.
- KNOX, C. W. and OLSEN, M. W. One cause of tremulous air cells. U. S. Egg & Poultry Mag. 40 (12) : 12, 13, 16, 17. Dec. 1934
- KRULL, W. H. The intermediate hosts of Fasciola hepatica and Fascioloides magna in the United States. North Amer. Vet. 15 (12) : 13-17. Dec. 1934.
- Experimental hosts for Brachylaima virginiana (Dickerson) Krull. Jour. Wash. Acad. Sci. 24 : 483-485. Nov. 15, 1934.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(continued)

- LEE, A. R. Feeding and managing poultry on irrigated desert land. U. S. Egg and Poultry Mag. 41 (1) : 36, 37, 61, 62. Jan. 1935
- LOWE, C. D. Method in their success (swine sanitation) Cappers Farmer 45 (12) : 18. Dec. 1934.
- The Morgan horse. Country Gent. 105 (1) : 66. Jan. 1935
- MOHLER, J. R. Participation of Bureau of Animal Industry in live stock adjustment and relief measures. Jour.Amer.Vet.Med.Assoc. 85 (n.s.38) : 721-723. Dec.1934.
- PRICE, E. W. New monogenetic trematodes from marine fishes. (Reports on the collections obtained by the first Johnson-Smithsonian deep-sea expedition to the Puerto Rican deep.) Smithsn.Misc.Collect. (3236) 91 (12) 3p. Nov.8,1934.
- REES, C. W., and MOHLER, W. M. preliminary studies on the complement-fixation test for the diagnosis of bovine anaplasmosis. Jour.Amer. Vet.Med.Assoc. 85 (n.s.38) : 669-674. Nov.1934.
- SCHWARTZ, B., and ALICATA, J. E. Development of the human hookworm, Necator americanus, in guinea pigs. Amer.Jour.Hyg. 20 : 317-328. Sept.1934.
- SHRADER, H. L. What are sexed chicks? Poultry Tribune 41 (1) : 9, 22. Jan. 1935.
- WRIGHT, W. H. Raising dogs. Country Gent. 104 (11) : 75. Nov.1934.

Bureau of Biological Survey

- JEWETT, S. G. Nesting of the orange-crowned warbler in Oregon. Condor 36 : 242. Nov./Dec. 1934.
- The Anthony green heron again. Condor 36 : 246. Nov./Dec. 1934.
- The season (ornithological): Portland (Oreg.) region. Bird-Lore 36 : 377-378. Nov./Dec. 1934.
- MILLS, E. M. The control of orchard mice. Rural New Yorker 93 : 702. Dec. 8, 1934.
- OBERHOLSER, H. C. The season (ornithological): Washington (D. C.) region. Bird-Lore 36 : 371-372. Nov./Dec. 1934.
- SCHAEFFER, THEO. H. Some food resources of our waterfowl in the Pacific Northwest. Murrelet 15 : 63-68. Sept. 1934.

Bureau of Chemistry and Soils

- BREWER, A. K., and KUECK, P. D. Chemical action in the glow discharge. XIV. The ignition of hydrogen-oxygen mixtures. Jour. Phys. Chem. 38: 1051-1059. Nov. 1934.
- HALLER, H. L., and LaFORGE, F. B. Rotenone. XXX. The non-crystalline constituents of derris root. Jour. Amer. Chem. Soc. 56: 2415-2413. Nov. 1934.
- SCHOLL, WALTER, and DAVIS, R. O. E. Saturated solutions of urea in liquid ammonia. Indus. and Engin. Chem. 26: 1299-1300. Dec. 1934.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils
(continued)

- SMITH, L. E., and LaFORGE, F. B. Rotenone. XXXI. The synthesis of 2-hydroxy-4, 5-dimethoxyphenylacetic acid. Jour. Amer. Chem. Soc. 56: 2481. Nov. 1934.
- WHITTAKER, C. W., LUNDSTROM, F. O., and SHIMP, J. H. Action of urea on calcium orthophosphates. Indus. and Engin. Chem. 26: 1307-1311. Dec. 1934.

Bureau of Entomology and Plant Quarantine

- ALLEN, H. W. Descriptions of twelve new species of Tiphidae from the United States with taxonomic notes (Hymenoptera). Amer. Ent. Soc. Trans. 60: 295-316. 1934.
- BARTLETT, K. A., and LEFEBVRE, C. L. Field experiments with Beauveria bassiana (Bals.) Will., a fungus attacking the European corn borer [*Pyrausta nubilalis* Hbn.]. Jour. Econ. Ent. 27: 1147-1157. Dec. 1934.
- BEAL, J. A. Relation of air and bark temperatures of infested ponderosa pines during subzero weather. Jour. Econ. Ent. 27: 1132-1139. Dec. 1934.
- BISSELL, E. L. Ineffectiveness of surface cultivation to prevent the burrowing of pecan weevil larvae into the soil under pecan trees. Jour. Econ. Ent. 27: 1127-1130. Dec. 1934.
- BURNSIDE, C. E. Comparison of *Pericystis alvei* from Europe and the related species from America. Bee World 15: 105-106. Sept. 1934.
- CAMPBELL, F. L., SULLIVAN, W. W., SMITH, L. E., and HALLER, H. L. Insecticidal tests of synthetic organic compounds - chiefly tests of sulfur compounds against culicine mosquito larvae. Jour. Econ. Ent. 27: 1176-1185. Dec. 1934.
- DOWDEN, P. B. Recently introduced parasites of three important forest insects. Ann. Ent. Soc. Amer. 27: 599-603. Dec. 1934.
- DUDLEY, J. E., jr. Pea aphid control in the Northwest. Canner 79(24): 12-13. Nov. 24, 1934.
- FARRAR, C. L. Pollen important for winter. Amer. Bee Jour. 74: 533. Dec. 1934.
- HOLLOWAY, J. K. The sex ratio of *Macrocentrus ancylivorus* Roh. Jour. Econ. Ent. 27: 1196. Dec. 1934.
- MACALONEY, H. J. (With N. W. Hosley, Harvard Forest) Experiments in simplified control of mound-building ants in the forest. Jour. Forestry 32: 1003-1006. Dec. 1934.
- McINDOO, N. E. Chemoreceptors of blowflies. Jour. Morph. 56: 445-475. Dec. 1934.
- OERTEL, E. Variation in the number of egg tubules in the queen bee. Jour. Econ. Ent. 27: 1111-1118. Dec. 1934.
- ROARK, R. C. New insecticide, germicide, and disinfectant patents. Soap 10 (11): 39, 91, 93, 105. Nov. 1934.
- SCHAFFNER, J. V., jr. Introduced parasites of the brown-tail and gipsy moths reared from native hosts. Ann. Ent. Soc. Amer. 27: 585-592. Dec. 1934.
- SIEGLER, E. H., MUNGER, F., and GAHAN, J. B. Improvement in "apple plug" technic for toxicological studies of the codling moth. Jour. Econ. Ent. 27: 1140-1142. Dec. 1934.
- SIMMONS, P. A blue moon. Science 80: 616. Dec. 28, 1934.
- SMITH, M. R. Ponerine ants of the genus *Euponera* in the United States. Ann. Ent. Soc. Amer. 27: 557-564. Dec. 1934.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(continued)

Bureau of Plant Industry

- BLAKE, S. F. *Carex divisa*, *Teesdalia nudicaulis* and *Thlaspi perfoliatum* in Maryland. *Rhodora* 36:413-414. Dec.1934.
- Two introduced grasses new to Virginia. *Rhodora* 36:420, Dec.1934.
- DUNEGAN, J. C. The susceptibility of the peach to artificial inoculations with *Bacterium syringae* and some allied organisms. (Note) *Phytopathology* 24:1378-1379. Dec. 1934. (With Univ. Ark.)
- DYESTRA, T. P. Control of potato virus diseases. *Oreg. Agr. Expt. Sta. Circ. Inform.* 107. 3 p. [Dec.1934?] (In cooperation. Mimeographed)
- Seed potato treatment. *Oreg. Agr. Expt. Sta. Circ. Inform.* 108. 4 p. [Dec.1934?] (Mimeographed)
- GRIFFITHS, D. Seedling culture of bulbs. *Seed World* 36(12):12-13. Dec.7,1934.
- HOERNER, G. R. The use of calcium cyanamid in hop downy mildew control; in the solution of the "dormant hill" problem and as a fertilizer for hops. *Pacific Hop Grower* 2(8):4,6-7. Dec.1934. Also issued as *Oreg. Agr. Expt. Sta. Circ. Inform.* 103. 4 p. Nov.1934.
- MEIER, F. C. Collecting micro-organisms from the Arctic atmosphere. With field notes and material, by C. A. Lindbergh. *Sci. Mo.* 40:5-20. illus. Jan.1935.
- PRESLEY, J. T. Offshoots on the Florida silver palm. *Jour. Heredity* 25:485-488. Dec.1934.
- SCHREINER, O. Adaptation of fertilizers for cotton soils. *Amer. Fert.* 61(12):5-7, 28, 30, Dec.15, 1934. no. 12.
- SHAMEL, A. D. The Marsh grapefruit variety in California and Arizona. *Calif. Citrogr.* 20:74-75. Jan.1935.
- and POMEROY, C. S. Searching for desirable citrus bud sports. *Tex. Citriculture* 11(6):9,24. Dec.1934.
- SMART, H. F. Microorganisms surviving the storage period of frozen-pack fruits and vegetables. *Phytopathology* 24:1319-1331. Dec.1934.
- SMITH, D. C. Fertilizer for hops. *Pacific Hop Grower* 2(8):5,7. Dec.1934.
- STIFT, R. E. The effect of depth of planting on the germination of soybean varieties. *Jour. Amer. Soc. Agron.* 26:1001-1004. Dec.1934.
- TULLIS, E. C. Leaf smut of rice in the United States. (Note) *Phytopathology* 24:1386. Dec.1934. (With Ark., La. and Tex. Agr. Expt. Stas.)
- *Trichoderma* sheath spot of rice. *Phytopathology* 24:1374-1377. Dec.1934. (With La., Tex., and Ark. Agr. Expt. Stas.)
- WADE, B. L., and ZAUMEYER, W. J. Internal breakdown of pea seed. (Note) *Phytopathology* 24:1384-1386. Dec. 1934.
- ZAUMEYER, W. J., and WADE, B. L. Physiological spotting of pea seed. (Note) *Phytopathology* 24:1383-1384. Dec.1934.

Bureau of Public Roads

- ALLEN, T. W. Highway work in the United States. Pt. 2 - Low cost roads. *Highways and Bridges* 1(22):6 Nov.6, 1934.
- HOGANTOGLER, C. A. and WINTERMYER, A. M. Advances in soil-testing methods. An interview. *Engin.News-Rec.* 113 : 594-599. Nov.8,1934.
- ROGERS, C. F. Are you losing profits through lost time. Pt.3. *Contract, and Engin. Monthly* 29(5):30-32 Nov.1934.

BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Baese, Bruno. Kynologische bibliographie, zusammengestellt im auftrage der Vorschussstelle des Reichsverbandes für das deutsche Hundwesen (Gesellschaft für Hundeforschung) Berlin, 1934. 126 p.
- Carnegie institution of Washington. Catalogue of publications. Lancaster, Pa., 1934. 131 p.
- Royal horticultural society, London. Library committee. Bibliography. A selected list of English books for the amateur gardener. Ed. 2. London [1933?] 8 p.

U. S. Department of Agriculture

Bureau of Agricultural Economics.

The dairy industry in the United States, 1932-Sept. 1934: a selected list of references. Compiled by Margaret Harrison, Library, Bureau of Agricultural economics. Oct. 11, 1934. 39 p. mimeographed. Supersedes list which covered 1932 and 1933 and bore date December 21, 1933.

Bureau of chemistry and soils.

The freezing of foods: a selected list of references. 1934. 3 p. Issued by Food research division.

-o-o-o-o-o-

NOTES ON PERIODICALS

- Breeder-feeder; devoted to the breeding, feeding, exhibiting and marketing of livestock and feeds produced in the Gulf coast states, U.S.A. Houston, Tex. mo. 4^o il. v. 1, no. 1 Sept. 1934. \$1.00 a year.
- Costa Rica. Direccion general de estadística. Boletín semestral de estadística. Publicación no. 1 Oct. 1934- 8^o San Jose, 1934.
- Egyptian medical association. Journal [monthly], v. 17, no. 10-Oct. 1934- il. 8^o Cairo, 1934.
- Hamburgisches welt-wirtschafts-archiv. Bulletin of the world economic archives of Hamburg. Poststrasse 19, Hamburg 36. fortnightly. 4^o no. 1, Nov. 1, 1934. RM 10 per annum; RM 6, half yearly.
- Milk trade gazette. bi-weekly. n.s. v. 7, no. 91- Jan. 6, 1934-il. f^o London, 1934.
- Neues bauerntum; fachwissenschaftliche zeitschrift für das gesamte landliche siedlungswesen. bd. 26, no. 1/2-Jan./Feb. 1934-8^o Berlin, 1934. Nachfolge des Archivs für innere kolonisation.
- New Hampshire troubadour. no. v. 2, no. 5-v. 3, no. 2, Aug. 1932-May 1933; v. 4, no. 8-Nov. 1934- il. 16^o Concord, N. H., 1932-
- Public housing progress. v. 1, no. 1- Nov. 15, 1934- 4^o New York, 1934- published by National housing conference.
- Tennessee sportsman. Nashville, Tenn. mo. 4^o il. v. 1, no. 1, Nov 1934 \$1.00 a year.

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ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK*

Arkansas

SMITH, M. E. The effect of vitamin A deficiency on the concentration of the blood lipids of albino rats. Jour. Nutrition 8(6): 675-687. Dec. 10, 1934.

California

- ASMUNDSON, V. S. Some problems of the turkey industry. Nulaid News 13(8): 10. Nov. 1934.
- BODMAN, G. B., and EDLEFSEN, N. E. The soil-moisture system. Soil Sci. 38(6): 425-444. Dec. 1934.
- BUSIC, W. H., and BECH, J. R. Controlling colds: the effectiveness of "depopulation" and "segregation" in controlling infectious coryza or colds on some poultry farms. Nulaid News 13(8): 5-6. Nov. 1934.
- CONDIT, I. J. Anomalous fig trees: plants showing chimaeral differences in flower form of value in throwing light on the origin of edible figs. Jour. Heredity 25(12): 496-498. Dec. 1934.
- CRUESS, W. V. (With L. QUACCIA, Univ. Calif.) Observations in spoiling of must by yeasts. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(4): 109. Dec. 1934.
- CRUESS, W. V. (With L. M. MONTGOMERY, Univ. Calif.) A study of cider fermentation. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(4): 107-108, 123. Dec. 1934.
- FLANDERS, S. E. Sitotroga production. Jour. Econ. Ent. 27(6): 1197. Dec. 1934. (Scientific notes)
- MICHELbacher, A. E., and ESSIG, E. O. A progress report on the behavior of the alfalfa weevil in middle California, 1935. Jour. Econ. Ent. 27(6): 1119-1127. Dec. 1934. (A. E. Michelbacher, Univ. Calif.)
- MUGGLESTONE, E. B., TAYLOR, L. W. (With I. M. LERNER, Univ. Calif.) Pullet grading. Nulaid News 13(8): 9-10. Nov. 1934.
- ROHRBAUGH, P. W. Penetration and accumulation of petroleum spray oils in the leaves, twigs, and fruit of citrus trees. Plant Physiol. 9(4): 699-730. Oct. 1934.
- SMITH, F. R., and HENDERSON, J. L. E. coli in mastitis, with accompanying changes in milk composition. Jour. Dairy Sci. 17(12): 799-803. Dec. 1934.
- SMITH, R. H., MEYER, H. U., and PERSING, C. O. Nicotine vapor in codling moth control. Jour. Econ. Ent. 27(6): 1192-1195. Dec. 1934.
- SNYDER, W. C. Peronospora viciae and internal proliferation in pea pods. Phytopathology 24(12): 1358-1365. Dec. 1934.
- TARBOVSKY, M. W., FILIPELLO, F., CRUESS, W. V., and ESAU, P. Observations on the use of tannin in wine making. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(4): 106, 121, 123. Dec. 1934. (M. W. Tarbovsky, F. Filipellico and P. Esau, Univ. Calif.)

Connecticut (State)

LUNT, E. A. Distribution of soil moisture under isolated forest trees. Jour. Agr. Research [U. S.] 49 (8): 695-703. Oct. 15, 1934.

*Prepared in the Office of Experiment Stations Library

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

Delaware

BAKER, G. L. The treatment of apple pomace for pectic extraction. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(4): 110. Dec. 1934.

Florida

ABBOTT, C. D. The effect of improved diet on children with a moderate degree of hookworm infection. Jour. Home Econ. 26(9): 577-580. Nov. 1934.

Idaho

MICHELSON, C. A., and SCHWENDERMANN, J. Determining yields on experimental plats by the square yard method. Jour. Amer. Soc. Agron. 26(12): 993-1001. Dec. 1934.
NORBY, J. E. Congenital defects in the mammae of swine. Jour. Heredity 25(12): 499-502. Dec. 1934.

Illinois

BRANNON, J. M., and PRUCHA, M. J. Recent experiments show dangers of poor milk: biological experiments indicate nutritive value of raw milk may be seriously impaired by bacterial flora even in the absence of direct disease producing organisms. Milk Plant Monthly 23(12): 30-31. Dec. 1934.
DUNGAN, G. H. Losses to the corn crop caused by leaf injury. Plant Physiol. 9(4): 749-766. Oct. 1934.
TORREY, J. P., THORP, F., jr., and GRAHAM, R. A note on pathological changes encountered in wild ducks. Cornell Vet. 24(4): 289-298. Oct. 1934.
(J. P. Torrey, Univ. Ill.)

Indiana

WORZELLA, W. W. The inheritance of quality in Trumbull and Michnikof varieties of winter wheat. Jour. Agr. Research [U. S.] 49(8): 705-714. Oct. 15, 1934.

Iowa

BUCHHOLTZ, W. F. The role of damping-off diseases in relation to failures of alfalfa stands on some acid soils. Science n.s. 80(2083): 503. Nov. 30, 1934.
(Discussion)
LEVINE, N. D., and RICHARDSON, C. H. The synergistic effect of the chlorides and bicarbonates of potassium and sodium upon the paralytic action of nicotine in the cockroach. Jour. Econ. Ent. 27(6): 1170-1175. Dec. 1934.
(N. D. Levine, Iowa State College)
SWANSON, P. P. (With A. H. Smith, Yale Univ.) Inorganic salts in nutrition. IX. Correlation between suppressed growth and the development of polycythemia induced by feeding a ration poor in salts. Jour. Nutrition 8(3): 659-667. Dec. 10, 1934.

Kansas

CAULFIELD, W. J., and MARTIN, W. H. The influence of homogenization on the soft curd character of milk. Milk Plant Monthly 23(12): 24-29. Dec. 1934.
CAULFIELD, W. J., and RIDDELL, W. H. A study of some factors influencing the Hill curd test. Jour. Dairy Sci. 17(12): 791-798. Dec. 1934.
KRAMER, W. M., and OBERHELMAN, L. M. Vitamin A content of certain green leaves: dandelion, dock, and lamb's quarters. Jour. Home Econ. 26(10): 637-638. Dec. 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Kansas (continued)

- KRAMER, M. M., and AGAN, A. T. Vitamin A content of Early Richmond and Montmorency cherries. Jour. Home Econ. 26(10): 638-639. Dec. 1934.
THROCKMORTON, R. I. The responsibilities of agronomists. Jour. Amer. Soc. Agron. 26(12): 981-985. Dec. 1934.

Kentucky

- JOHNSON, E. M. Dissemination of angular leaf spot of tobacco by the southern tobacco worm. Phytopathology 24(12): 1381-1383. Dec. 1934. (Phytopathological notes)

Louisiana

- MAYHEW, R. L. The present status of our knowledge of coccidiosis in chickens. Nulaid News 13(9): 17. Dec. 1934.

Massachusetts

- ARCHIBALD, J. G. The evolution of nutrition. Jour. Chem. Educ. 11(11): 601-608. Nov. 1934.
MACK, M. J. Controlling physical properties of high solids mixes. Jour. Dairy Sci. 17(12): 781-789. Dec. 1934.
THELIN, G., and BEAUMONT, A. B. The effect of some forms of nitrogen on the growth and nitrogen content of wheat and rice plants. Jour. Amer. Soc. Agron. 26(12): 1012-1017. Dec. 1934.
VAN ROEKEL, H. Present status of pullorum disease. Nulaid News 13(8): 8. Nov. 1934.

Michigan

- BOUYOUCOS, G. J. A method for determining the degree of decomposition that unknown decayed vegetable organic materials have already undergone in nature. Soil Sci. 38(6): 477-482. Dec. 1934.
CATION, D. Peach mosaic. Phytopathology 24(12): 1380-1381. Dec. 1934. (Phytopathological notes)

Minnesota

- LANDON, R. H. The effect of certain chemicals on the catalase activity in plants. Amer. Jour. Bot. 21(9): 583-591. Nov. 1934.
MARKLEY, M. C. Flour particle size by the sedimentation method. Cereal Chem. 11(6): 654-660. Nov. 1934.
MICKEL, C. E. The significance of the dragonfly name "Odonata". Ann. Ent. Soc. Amer. 27(3): 411-414. Sept. 1934.
NAGEL, R. H. Metathetely in larvae of the confused flour beetle (*Tribolium confusum* Duval). Ann. Ent. Soc. Amer. 27(3): 425-428. Sept. 1934.
RUGGLES, A. G. Plant pest control: codling moth trapping and banding results for 1934. Minn. Hort. 62(9): 172. Dec. 1934.

Missouri

- HAGEMAN, L. (With H. O. EZELL) The eelworm *Rhabditis lamdiensis*, a new pest of mushrooms. Jour. Econ. Ent. 27(6): 1189-1191. Dec. 1934.

- ROBBINS, W. J. Isolation of the infective principle of virus diseases. Science n.s. 80(2073): 275-276. Sept. 21, 1934. (Special articles)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Montana

- SWINGLE, D. B. Fertilization in *Ascodesmis nigricans* Van Tiegh. Amer. Jour. Bot. 21(9): 519-545. Nov. 1934.
- YOUNG, P. A. Freezing phenomena in cresoap emulsions of petroleum oils. Plant Physiol. 9(4): 795-806. Oct. 1934.

New Jersey

- DAVIDSON, O. W., CLARK, H. E., and SHIVE, J. W. Preparation of aqueous extracts of soluble nitrogen from plant tissues. Plant Physiol. 9(4): 817-822. Oct. 1934.
- GINSBURG, J. M. Control of mealy bugs and other resistant insects on hardy plants with a completely refined petroleum distillate. Jour. Econ. Ent. 27(6): 1186-1188. Dec. 1934.
- GINSBURG, J. M. Toxicity of cadmium to chewing insects. Science n.s. 80(2073): 269. Sept. 21, 1934. (Discussion)
- MARTIN, W. E. Suggestions for regulating the potato industry in the northeastern states. Amer. Potato Jour. 11(12): 319-326. Dec. 1934.
- RUSSELL, W. C., TAYLOR, M. W., and WILCOX, D. E. The rate of the antirachitic factor in the chicken. III. The effective levels and the distribution of the factor from cod liver oil and from irradiated ergosterol in certain tissues of the chicken. Jour. Biol. Chem. 107(3): 735-746. Dec. 1934.
- RUSSELL, W. C., TAYLOR, M. W., and CHICHESTER, D. F. The relation between the antirachitic factor and the weight of the gall bladder and contents of the chicken. Jour. Nutrition 8(6): 689-694. Dec. 10, 1934.

New Mexico

- STROMAN, G. W. Breeding for fiber length regularity in cotton. Jour. Amer. Soc. Agron. 26(12): 1004-1012. Dec. 1934.

New York (State)

- DAHLBERG, A. C. The year's research record: a guide for the busy manufacturer to what the government, college, and plant laboratories have found out in the course of experimental work on ice cream and related subjects during the last twelve months. Ice Cream Trade Jour. 30(10): 27-29. Oct. 1934.
- GAMBRELL, F. L. Gladiolus thrips control studies and observations on bulb mite infestation. Jour. Econ. Ent. 27(6): 1150-1166. Dec. 1934.
- ISENHOUR, L. L., and HORSFALL, J. G. Copper analysis of foliage sprayed with cuprous oxide. Phytopathology 24(12): 1383. Dec. 1934. (Phytopathological notes)

New York (Cornell)

- ROTTENSTEIN, K. V., and MAYNARD, L. A. The assimilation of phosphorus from dicalcium phosphate, C.P., tricalcium phosphate, C.P., bone dicalcium phosphate and cooked bonemeal. Jour. Nutrition 8(6): 715-730. Dec. 10, 1934. (K. V. Rottenstein, Cornell Univ.)
- SLOAN, H. J. The seasonal variation in the antirachitic effectiveness of sunshine. Jour. Nutrition 8(6): 731-749. Dec. 10, 1934.
- TROY, H. C., and SHARP, P. F. Detection of lactic acid in milk and cream. Jour. Dairy Sci. 17(12): 759-762. Dec. 1934. (H. C. Troy, Cornell Univ.)
- WELCH, D. C. The range and importance of Nectia canker on hardwoods in the northeast. Jour. Forestry 32(9): 997-1002. Dec. 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

North Carolina

METCALF, Z. P., and HORTON, G. The Cercopoidea (Homoptera) of China. Lingnan Sci. Jour. 13(3): 367-429. July 30, 1934.

North Dakota

KELLOGG, C. E. Morphology and genesis of the solonetz soils of western North Dakota. Soil Sci. 38(6): 483-501. Dec. 1934.

MANGELS, C. E. Varietal and regional variation in properties of wheat starches. Cereal Chem. 11(6): 571-585. Nov. 1934.

Ohio

BAYFIELD, E. G. The viscosity test. Cereal Chem. 11(6): 637-647. Nov. 1934.

HUBER, L. L., and SLEESMAN, J. P. Technique of field experimentation in entomology. I. Some principles involved in a well-planned experiment. Jour. Econ. Ent. 27(6): 1166-1170. Dec. 1934.

RECORD, P. R., BETHKE, R. M., and WILDER, O. H. M. Effect of method of manufacture on the nutritive value of fishmeals as determined by growth studies with chicks. Jour. Agr. Research [U.S.] 49(8): 715-722. Oct. 15, 1934.

WILDER, O. H. M., BETHKE, R. M., and RECORD, P. R. Effect of method of manufacture on the nutritive value of fishmeals as determined by nitrogen-balance studies with rats. Jour. Agr. Research [U.S.] 49(8): 723-730. Oct. 15, 1934.

Oklahoma

DANIEL, H. A., and HARPER, H. J. The relation between total calcium and phosphorus in mature prairie grass and available plant food in the soil. Jour. Amer. Soc. Agron. 26(12): 986-992. Dec. 1934.

Oregon

JOHNSON, W. T. Fowl pox. Nulaid News 13(8): 7. Nov. 1934.

Pennsylvania

ANDERSON, A. K. (With K. EMMART, Penn. State College) Relation of certain amino acids to carbon dioxide and mycelium production of *Fusarium oxysporum*. Plant Physiol. 9(4): 823-829. Oct. 1934.

KRISS, M., and MILLER, R. C. The derivation of factors for computing the gaseous exchange and the heat production in the metabolism of casein by the albino rat. Jour. Nutrition 8(6): 669-674. Dec. 10, 1934.

South Carolina

NETTLES, W. C. An unusual outbreak of stable fly and its control. Jour. Econ. Ent. 27(6): 1197-1198. Dec. 1934. (Scientific notes)

WATTS, J. G. A comparison of the life cycles of *Frankliniella tritici* (Fitch), *F. fusca* (Hinds) and *Thrips tabaci* Lind. (Thysanoptera-Thripidae) in South Carolina. Jour. Econ. Ent. 27(6): 1158-1159. Dec. 1934.

South Dakota

FRANKE, K. W., and POTTER, V. R. A new toxicant occurring naturally in certain samples of plant foodstuffs. III. Hemoglobin levels observed in white rats which were fed toxic wheat. Jour. Nutrition 8(6): 615-624. Dec. 10, 1934.

FRANKE, K. W., and MOXON, A. L. A new toxicant occurring naturally in certain samples of plant foodstuffs. IV. Effect of proteins on yeast fermentation. Jour. Nutrition 8(6): 625-632. Dec. 10, 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Utah

- KNOWLTON, G. F., STANFORD, J. S., and SMITH, C. F. Birds as predators of the beet leafhopper. Jour. Econ. Ent. 27(6): 1196-1197. Dec. 1934. (Scientific notes)
- STEWART, G. Effects of inbreeding on variability in alfalfa. Jour. Agr. Research [U. S.] 49(8): 669-694. Oct. 15, 1934.

Washington

- DONEEN, L. D. Method for the preparation of green plant material for the extraction of juices. Plant Physiol. 9(4): 839-843. Oct. 1934.

Wisconsin

- BAUMANN, C. A., RIISING, B. M., and STEENBOCK, H. Fat-soluble vitamins. XIII. The absorption and storage of vitamin A in the rat. Jour. Biol. Chem. 107(3): 705-715. Dec. 1934.
- DONER, M. H. Observations on the biology of *Microbracon pygmaeus* (Prov.), an important parasite of *Coleophora pruniella* Cl. Ann. Ent. Soc. Amer. 27(3): 435-442. Sept. 1934.
- ELVEHJEN, C. A., HART, E. B., JACKSON, H. C., and WECKEL, K. G. The nutritional value of milks - raw vs. pasteurized and summer vs. winter. Jour. Dairy Sci. 17(12): 763-770. Dec. 1934.
- HECK, A. F. Effect of the degree of base saturation of a soil on its capacity to fix phosphorus in difficultly available form. Soil Sci. 38(6): 463-470. Dec. 1934.
- HENDRICKSON, A. A., BALDWIN, I. L., and RIKER, A. J. Studies on certain physiological characters of *Phytomonas tumefaciens*, *Phytomonas rhizogenes* and *Bacillus radiobacter*. Jour. Bact. 28(6): 597-618. Dec. 1934.
- LILLY, J. H., and FLUKE, C. L. A progress report on the control of the cherry case bearer (*Coleophora pruniella*, Clem.) in Wisconsin. Jour. Econ. Ent. 27(6): 1142-1147. Dec. 1934.
- MEHLICH, A., FRED, E. B., and TRUOG, E. The Cunninghamella plaque method of measuring available phosphorus in soil. Soil Sci. 38(6): 445-461. Dec. 1934 (A. Mehlich, Univ. Wis.)
- SAGEN, H. E., RIKER, A. J., and BALDWIN, I. L. Studies on certain physiological characters of *Phytomonas tumefaciens*, *Phytomonas rhizogenes*, and *Bacillus radiobacter*, Part I. Jour. Bact. 28(6): 571-595. Dec. 1934.
- SEMB, J., Baumann, C. A., and STEENBOCK, H. Fat-soluble vitamins. XLI. The carotene and vitamin A content of colostrum. Jour. Biol. Chem. 107(3): 697-703. Dec. 1934.

Wyoming

- DUNFEWALD, T. J. Soil factors in germination of pine seeds. Univ. Wyo. Pub. in Sci., Bot. v. 1, nos. 7, 8, 9, 10 and 11: 267-274. Aug. 1934.
- NELSON, A. Rocky Mountain herbarium studies. II. Amer. Jour. Bot. 21 (9): 573-582. Nov. 1934.

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MISCELLANY

A pamphlet entitled "List of Different Publications Received in the Library (Newspaper Section) of the Service of Agricultural Publications and Library", recently issued by the Ministerio de Agricultura, Madrid, Spain, contains a preface in six different languages. The English preface reads as follows: "The metamorphosis and actual development of the Spanish Agriculture has determined an intensity in all the services of Agriculture and in consequence a pressing need of information every day more extensive. The Service of Agricultural Publications and Library of the General Government of Agriculture, besides the various publications which it publishes of a technical and divulger character, has particularly developed its AGRICULTURAL LIBRARY (Newspaper section), which has at present 630 national and foreign journals at the PUBLICS DISPOSAL from 10:30 a.m. to 2 p.m. in the Lecture Room of our Library. This Library also disposes of an hemerological index, classified by subjects, where all titles, name of author of each article, title and date of Journal are inscribed, which can be easily and surely handled and which has proved a great success, as demonstrated by the rapidly increasing number of readers. This Library hopes to collect all important publications on Agricultural matters in the different countries and to establish the most up-to-date instrument for information and consultation. This Library, besides the considerable quantity of volumes which form its archives and its constant and pusillanimous care in the compilation and search of hemerological subjects (the following list is only of this year) in its quality of AGRICULTURAL LIBRARY (Newspaper section) can be considered as one of the most complete in the world, if not the best of all, according to competent opinions."

"Consumers' Guide", formerly issued in mimeographed form by the Agricultural Adjustment Administration of the U. S. Department of Agriculture, was changed to a printed publication with vol. 2, no. 2.

A souvenir booklet entitled "Golden Anniversary of the Association of Official Agricultural Chemists, 1884-1934" has been issued by the Association in connection with the celebration of its 50th meeting. This includes a complete list and a photographic record of all the officers of the Association since the time of its organization, and also the address of Dr. C. A. Browne entitled "Reminiscences of the early friends of the Association" which he delivered at the memorial dinner on October 30.

Miss Annie M. Avakian has recently been appointed as Junior Librarian at the Institute of Plant Genetics at Placerville, California.

The 11th International Horticultural Congress will be held in Rome, September 16-21, 1935. The Congress will be followed by excursions on September 23-25. The Congress is organized under the auspices of the Royal Ministry of Agriculture and Forests and of the International Committee for Horticultural Congresses, by the International Federation of Technical Agriculturists, in accordance with the International Institute of Agriculture and the interested Fascist Confederations.

UNION LIST OF FORESTRY SERIALS

Finding that the Union List of Serials, published under the auspices of the American Library Association, does not note many of the reports and publications which are constantly being requested, the Forest Service Library of the U. S. Department of Agriculture has undertaken to compile a Union List of Forestry Serials held by the various libraries throughout the United States and Canada. This will be valuable not only in locating material for interlibrary loan, but will also serve as a checklist of publications which have actually been issued, as well as being of assistance in rounding out and completing sets:

The citations have been compiled from the Forest Service Library shelf list and the Union List of Serials. The library key symbols have been added where available to simplify the work required in checking by the cooperating libraries. These lists have been sent to 130 libraries throughout the United States and Canada, with the request that they note their holdings. The total returns will be compiled in one final report, a copy of which will be sent to each library taking part in the project. As the final work is to be finished not later than June 1, 1935, all sheets are to be returned to Washington by March 1, 1935.

As it is difficult to reach all the libraries which are interested and have material in this specialized field, it is felt that the mailing list was by no means complete. Copies of the list can be obtained by any libraries which have not already received it. Requests should be addressed to the Librarian, Forest Service, U. S. Department of Agriculture, Washington, D. C.

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ANALYTICAL BIBLIOGRAPHY OF UNIVERSAL COLLECTED BIOGRAPHY

An "Analytical Bibliography of Universal Collected Biography, Comprising Books Published in the English Tongue in Great Britain and Ireland, America and the British Dominions", has been compiled by Phyllis M. Riches and published by the Library Association, Chaucer House, Malet Place, London, W. C. I. H. W. Wilson Company are the American agents. There are two main parts: The Index of people written about arranged in alphabetical order and having date of birth and death, where these are known, and a short description, such as "Poet" or "Statesman"; and second, a Bibliography of the works dealt with, being partly evaluative. Three appendices contain (a) a chronological list of persons dealt with, arranged according to centuries, (b) an index of persons dealt with, arranged alphabetically under their profession or trade, (c) an author and subject bibliography of biographical dictionaries. (Industrial Arts Index, v. 23, no. 1, December 1934)

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LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1934*

California

Elements of wine making. M. A. Joslyn and W. V. Cruess. (Calif. Agr. Col. Ext. Circ. 88.) Berkeley, 1934.
References, p. 62-63.

Colorado

Raising the quality standards of market turkeys in Colorado. (Colo. Agr. Col. Ext. Circ. 80-A.) Fort Collins, 1934.

Florida

Rose growing in Florida. W. L. Floyd and J. V. Watkins. (Fla. Univ. Agr. Ext. Bul. 78.) Gainesville, 1934.
A revision of Bul. 59.

Georgia

Forest management in Georgia. D. Barrett. (Ga. Agr. Col. Ext. Bul. 446.) Athens, 1934.
Canning, drying, brining; Conserve surplus fruits and vegetables. L. Collier. (Ga. Agr. Col. Ext. Circ. v. 22, no. 255.) Athens, 1934.
Apple culture in Georgia. T. H. McHatton. (Ga. Agr. Col. Ext. Circ. v. 22, no. 258.) Athens, 1934.

Iowa

The chinch bug in Iowa. C. J. Drake and others. (Iowa Agr. Col. Ext. Circ. 199.) Ames, 1934.
Feeding and management of hens. E. W. Henderson and W. M. Vernon. (Iowa Agr. Col. Ext. Circ. 200.) Ames, 1934.
Noxious and other bad weeds of Iowa. R. H. Porter. (Iowa Agr. Col. Ext. Circ. 201.) Ames, 1934.
Temporary silos. E. N. Shultz and B. T. Virtue. (Iowa Agr. Col. Ext. Bul. [i. e. Circ.] 202.) Ames, 1934.
References, p. 16.
Handling drouth injured corn. H. D. Hughes and R. Beresford. (Iowa Agr. Col. Ext. Circ. 203.) Ames, 1934.
Feeding dairy cattle in drouth and semi-drouth areas. E. N. Shultz and C. Y. Cannon. (Iowa Agr. Col. Ext. Circ. 204.) Ames, 1934.
Crop production in the chinch bug area in Iowa. E. R. Henson and C. J. Drake. (Iowa Agr. Col. Ext. Circ. 205.) Ames, 1934.
Drouth emergency rations for Iowa livestock. C. C. Culbertson and others. (Iowa Agr. Col. Ext. Circ. 206.) Ames, 1934.
The Iowa farm outlook for 1935. L. K. Soth. (Iowa Agr. Col. Ext. Circ. 207.) Ames, 1934.
Iowa farm and home extension programs, 1935. (Iowa Agr. Col. Ext. C-360.) Ames [1934]
Mimeographed.

*Prepared in the Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1934
(continued)

Kentucky

Corn project, 4-H clubs. E. J. Kinney and E. E. Fish. (Ky. Agr. Col. Ext. Circ. 82, 5th ed.) Lexington, 1934.

Michigan

Recognizing suitable furnishings. G. Reis. (Mich. State Col. Ext. Course Notes 116.) East Lansing, 1934.

Minnesota

Cut worms and army worms. W. C. Cook. (Minn. Univ. Agr. Ext. Circ. 48.) University Farm, St. Paul, 1934.

Feed and seed for 1934-1935. (Minn. Univ. Agr. Ext. Circ. 49.) University Farm, St. Paul, 1934.

Sediment test for cream. H. Macy and S. T. Coulter. (Minn. Univ. Agr. Ext. Folder 50.) University Farm, St. Paul, 1934.

Temperatures of animal shelters. L. W. Neubauer. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 32.) University Farm, St. Paul, 1934.

Possible savings in the cost of governmental services arising from the relocation of an isolated community. M. M. Regan. (Minn. Univ. Agr. Ext., Minn. Farm Business Notes no. 143.) University Farm, St. Paul, 1934.

Mimeographed.

Missouri

Commercial fertilizers for general field crops. M. F. Miller. (Mo. Agr. Col. Ext. Circ. 315.) Columbia, 1934.

New Jersey

Lime - for soil improvement. H. R. Cox. (N. J. Agr. Col. Ext. Bul. 146.) New Brunswick, 1934.

New York

Factors affecting costs and returns in producing milk. L. C. Cunningham. (N. Y. Agr. Col. (Cornell) Ext. Bul. 307.) Ithaca, 1934.

The transportation of milk to the New York market. H. R. Varney. (N. Y. Agr. Col. (Cornell) Ext. Bul. 308.) Ithaca, 1934.

How to meet the hay shortage on New York farms. Department of Animal Husbandry. (N. Y. Agr. Col. (Cornell) Ext. Bul. 309.) Ithaca, 1934.

The New York state 1935 agricultural outlook. (N. Y. Agr. Col. (Cornell) Ext. Bul. 310.) Ithaca, 1934.

Leaders' guide for standard to health achievement record. R. B. White. (N. Y. Agr. Col. (Cornell) Junior Ext. Bul. 47.) Ithaca, 1934.

Ohio

Knowing and using eggs. O. Hughes and R. E. Cray. (Ohio Agr. Col. Ext. Bul. 157.) Columbus, 1934.

The agricultural outlook for 1934-35. (Ohio Agr. Col. Ext. Timely Econ. Inform. for Ohio Farmers no. 83.) Columbus, 1934.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during December 1934, exclusive of bibliographies* and current
issues of serials.**

Office of the Secretary

The challenge of Protestantism. Address of Henry A. Wallace at a dinner given in his honor by the World alliance for international friendship through the churches, New York City, Dec. 7, 1934. 17 p.

High freight rates as a retarding factor in agricultural and industrial recovery. By H. A. Wallace. A statement presented at Hearings before the Interstate commerce commission on Increase in freight rates and charges, Dec. 7, 1934. 8 p.

Remarks of Henry A. Wallace before the American statistical association, Chicago, Illinois, December 28, 1934. 7 p.

Some aspects of a national land program. An address by M. L. Wilson before the American farm bureau federation, at Nashville, Tenn., Dec. 12, 1934. 22 p.

Agricultural Adjustment Administration

A.A.A. litigation during the year 1934. 9 p.

The corn-hog adjustment program for 1935. 5 p.

The cotton program and the Bankhead act. By Cully A. Cobb. Talk before the Extension section, Land-grant colleges association, Nov. 19, 1934. 1934. 6 p. (Issued by Cotton Production section)

Facts relating to the agricultural situation in 1934. Statement prepared for hearings before the Interstate commerce commission on increases in freight rates and charges, 1934. Ex parte no. 115. By L. H. Bean, 1934. 67 p.

Marketing agreements and licenses: their role in agricultural recovery. Address by H. R. Tolley before the American farm bureau federation, at Nashville, Tenn., Dec. 11, 1934. 1934. 18 p.

Meeting the farmers' problem. By Chester C. Davis. Address delivered before the American farm bureau federation, at Nashville, Tenn., Dec. 11, 1934. 1934. 18 p.

Bureau of Agricultural Economics

Agricultural production compared with railway traffic in farm products during the depression. 1934. 28 p.

Corn, oats, barley, rye, and flax outlook charts, for use with the Agricultural outlook for 1935. 1934. 18 p.

*Bibliographies included in general list of bibliographies on page 12

**For a list of the principal series issued regularly, see v. 9, no. 10, p.354

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued)

- Illustrative comparisons between freight rates on and farm prices of fruits and vegetables. 1934. 17 p.
- Illustrative comparisons between freight rates on and retail prices of farm products. 1934. 14 p.
- List of agricultural economic reports and services of the Bureau of agricultural economics. Feb. 1934. 1934. 51 p. (Issued by Division of economic information)
- Potatoes, and truck crops outlook charts, for use with the Agricultural outlook for 1935. 1934. 34 p.
- Poultry and eggs outlook charts, for use with Agricultural outlook for 1935. 1934. 19 p.
- Prices paid by farmers for household articles, January 24-27, 1934. 1934. 9 p. (Issued by Division of crop and livestock estimates)
- Protection afforded grain users by the United States grain standards act. 1934. 6 p. Folder no. 6, Grain standards educational committee. (Issued by Grain division)
- Regulations of the Secretary of Agriculture governing the inspection and certification of rough, brown, and milled rice. As amended, effective Nov. 12, 1934. 15 p.
- Research in progress in the Bureau of agricultural economics, July 1, 1934. Prepared for use of research workers in the Bureau of agricultural economics, the state agricultural colleges and experiment stations, and other research agencies in agricultural economics. 79 p.
- Revised estimates of some hay acreage, yield and production, 1866-1922. 1934. 56 p.

Bureau of Animal Industry

- Outline for conducting a scrub-sire trial. By D. S. Burch. 1934. 20 p.
Material prepared to help bring about livestock improvement through the replacement of scrub sires by good purebreds.

Bureau of Entomology and Plant Quarantine

- A device for recording humidity in among leaves of plants. By Theo. E. Bronson. 1934. 2 p. Et-28. (Issued by Division of truck crop and garden insects)
- Graduated centrifuge tube for measuring masses of aphids. By J. E. Dudley. 1934. 1 p. Et-26. (Issued by Division of truck crop and garden insects)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Entomology and Plant Quarantine
(continued)

A list of United States patents issued from 1917 to 1933 inclusive relating to insecticide sprayers, part I-II, Compiled by R. C. Roark. 1934. 15 p. Patent list no. 33-34. (Issued by Insecticide division)

A list of United States patents issued from 1917 to 1933 inclusive relating to driers for washed fruit. Compiled by R. C. Roark. 1934. 4 p. Patent list no. 35. (Issued by Insecticide division)

Extension Service

Boys' and girls' 4-H club work, 1933. By Madge J. Reese. 1934. 7 p. (Extension service circular 207)

Federal housing administrative program in relation to the rural home. By F. P. Bartlett. 1934. 7 p. A talk before the Farm family living section of the National outlook conference, Washington, D. C., Oct. 31, 1934.

Bureau of Plant Industry

Air-cooled apple storage houses. By J. R. Magness. 1934. 6 p. (Issued by Division of fruit and vegetable crops and diseases)

Weather Bureau

Instructions for daily transmission of weather observations. 1934. 15 p.

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LOST BOOKS

The books listed below cannot be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main Library in the case of the first item, and Mr. W. A. Cheesman of the Bureau of Biological Survey, in the case of the second item:

American Society for horticultural science. Proceedings, v. 17-18. 1920-21.

Baker, Marcus. Geographic dictionary of Alaska. Bull. 299, U. S. Geological Survey, 2d ed. 1906. Copy 1.

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MOVING OF THE LIBRARY

On December 7, 1934 the Library began the moving of its collections to the new library stacks. The moving was completed by the end of the year but about two weeks more have been required for necessary changes in the reference rooms and the work rooms. The painting of the walls of the stack space is still to be done.

The stacks comprise three decks - A, B and C, A being the bottom deck, B the intermediate deck, and C the top deck on a level with the first floor of the South Building. The main entrance to the stacks is through the Public Catalogue Room (room 1052) but there are also entrances from the Reference Room on the west side and from the Periodical Division and the Loan Desk Room on the east side. Deck A, which is the largest, contains 921 sections or approximately 9200 shelves, exclusive of the 200 shelves for oversize agricultural newspapers; Deck B is the next largest, containing 436 sections, or approximately 4600 shelves, exclusive of 2000 shelves for commercial newspapers; Deck C contains 251 sections or approximately 3000 shelves. It is estimated that there are now approximately 180,000 volumes in the stacks and that the space available will provide room for nearly twice that number.

On Deck A are shelved the following classes: Agriculture, horticulture, forestry, government documents, economics, statistics, commerce, finance, engineering, and useful arts. On Deck B are classes for natural history, zoology, chemistry, medicine and hygiene, the newspaper collections, and the rare books. On Deck C are the books and periodicals on botany, the general scientific periodicals, the learned society publications, the set of Department publications, the State experiment station publications, and the publications of the State boards of agriculture.

On Decks A, B and C at the south end of the stacks, next to the windows, are 22 cubicles for readers, and on Decks B and C, on the east side, there are in addition, 16 cubicles on each deck, or 54 cubicles in all. There are also tables scattered throughout the stacks.

In view of the improved facilities for the using of the books in the Library, it is hoped that more readers will come to the Library to consult the books rather than have them sent to their offices, particularly if they do not need the books for extended use.

Reference Rooms

No change has been made in the location of the reference rooms, these being located as heretofore on the east side of wing 5 in rooms 1505-1525. The Map Room is located next to the south end of the Reference Room. The Bibliography Room is at the north end in room 1060. The Public Catalogue is in room 1052.

Loan Desk Rooms

The loan desk for books is in room 1044, next to the Public Catalogue Room on the north corridor; the charging desk for current periodicals is in room 1410. The book delivery room, containing the pigeon holes for the books and periodicals to be delivered by messenger to the various bureaus and offices, is room 1404 in wing 4, near the elevators.

MOVING OF THE LIBRARY (continued)

Periodical Reading Room

No change has been made in the location of the Periodical Reading Room, this being located as heretofore on the west side of wing 4 in rooms 1416-1430. The periodicals are now, however, much more convenient for consultation as they are filed in the steel cases originally intended for them and all are within easy reach. The current issues of many of the periodicals of special interest to the various bureaus are still filed in the libraries of the bureaus. The regular circulation of current periodicals to the offices of the bureaus is for the most part handled by the libraries of the bureaus.

Office and Work Rooms

The Catalogue Division is located in rooms 1045-1055. The Periodical Division in part is in rooms 1410-1416 and in part in rooms 1434-1444, the latter space being devoted to the Binding Section.

The office of the Librarian (Miss Claribel R. Barnett) is in rooms 1405-1407 and the Business Office (Miss Ethel E. Smith, in charge, Mr. Richard T. Umhau, in charge of accounts) is in rooms 1409-1415. The office of the Associate Librarian (Miss Emma B. Hawks) is in room 1052A. The office of the Chief of the Catalogue Division (Miss Helen M. Thompson) is in room 1045, and the office of the Chief of the Periodical Division (Miss Lydia K. Wilkins) is in room 1416.

BUREAU LIBRARIES

For the greater convenience of the Department workers, there are branch libraries in all of the bureaus, with the exception of the Bureau of Biological Survey. A short description of the work and collections of each of the branch libraries follows:

Agricultural Economics Library

The library of the Bureau of Agricultural Economics is still located on the third floor of the fourth wing but it has been moved further to the south. The office of the Librarian (Miss Mary G. Lacy) is in room 3445. The loan desk is in room 3434, and the periodical division in room 3439. The bulk of the collection of the Department on economics and statistics, finance, commerce, and rural sociology is filed in the library of the Bureau of Agricultural Economics. The library of the bureau also contains the special catalogues and indexes to the economic literature.

The Division of Cotton Marketing library, a branch of the bureau library and administered as a special reference service for the Division of Cotton Marketing, is still located at 300 Linworth Place, Southwest, in room 209. The Librarian is Miss Emily L. Day.

MOVING OF THE LIBRARY (continued)

Agricultural Engineering Library

At the time of the moving of the Bureau of Agricultural Engineering to the South Building during the past summer, the library of the bureau was also moved and is now located with the bureau, in rooms 2246-2252. The library contains a small working collection consisting of reference books and the books and periodicals most frequently used in the work of the bureau. The office of the Librarian, Mrs. Dorothy W. Graf, is in room 2252.

Animal Industry Library

The library of the Bureau of Animal Industry is still located in the East Wing of the Administration Building, in room 246. The bureau does not maintain a collection of books but has a library staff to attend to its reference work, the circulation of current periodicals, and the work on the extensive index of veterinary literature which is filed in the bureau library.

The library collection of the Division of Animal Husbandry, located, as heretofore, in Room 2-202, Building F, 7th and Constitution Avenue, Northwest, is now devoted almost entirely to the breeding and feeding of livestock. With the exception of some of the current volumes, the herd and stud books, formerly filed in the division library, were moved last summer to the main library, on account of fire hazard, the division library being housed in a non-fireproof building. The librarian of the division, Miss Jessie Urner, attends to the general library work of the division, including the circulation of the current periodicals to the workers in the division.

Chemistry and Soils Library

The library of the Bureau of Chemistry and Soils at the present time has not been moved, as the chemical laboratories are still in their old location, 216 13th Street. The collection filed in the bureau consists of about half the chemical books and periodicals owned by the Department. The Librarian of the bureau, Miss Minerva G. Beckwith, is in room 210.

The library of Fertilizer Investigations is still in its old location, the American University. The librarian is Mrs. Lee Garby.

Dairy Industry Library

The library of the Bureau of Dairy Industry has been moved to rooms 1068-1070 on the north corridor between wings 5 and 6, near the main Library and the new offices of the Bureau of Dairy Industry in the 6th wing. It contains the indexes to dairy literature and a small collection of the most frequently used books and periodicals of special interest to the bureau. The Librarian is Miss Carrie B. Sherfy.

MOVING OF THE LIBRARY (continued)

Entomology and Plant Quarantine Library

The library of the Bureau of Entomology and Plant Quarantine has been moved to rooms 1417-31 on the east side of the fourth wing, adjoining the main Library. It contains the catalogues and indexes to entomological literature and the bulk of the entomological books and periodicals. The entrances to the library are rooms 1419 and 1423. The office of the Librarian, Miss Mabel Colcord, is room 1431.

The apicultural collections are still located at Somerset, Maryland, with the offices of the Division of Bee Culture. The Librarian of the division is Miss Ethel Coon.

Experiment Stations Library

The library of the Office of Experiment Stations is with the Office on the fifth floor of the fifth wing, in rooms 5501-5521. The office of the Librarian, Miss Cora L. Feldkamp, is in room 5509. The library has charge of the work connected with the circulation of books and periodicals for abstracting in the Experiment Station Record and to the Office of Cooperative Extension Work, prepares the current lists of State experiment station and extension publications, is responsible for the completion of the files of these publications, and has charge of the reference work of the office. The file of State experiment Station publications is strictly a reference set and cannot be circulated. The set for circulation is in the main Library.

Forest Service Library

The Forest Service Library is with the offices of the Forest Service in the Atlantic Building, 930 F Street, Northwest. The bulk of the Department's collections relating to forestry and allied subjects is filed in the bureau library. The Librarian is Miss Helen Moore.

Home Economics Library

The Bureau of Home Economics library is located in rooms 6053-6059 on the sixth floor in the quarters of the bureau. Its collections cover the subjects of clothing, textiles, food, nutrition, household refrigeration, household management, and family relationships. The office of the Librarian, Mrs. Mamie F. Nystrom, is in room 6053.

Horticultural Trade Catalogues

The collection of horticultural trade catalogues numbering approximately 50,000, has been moved to rooms 1506-1510 on the first floor of wing 5, opposite the reference Room of the main Library. The collection is maintained as a cooperative undertaking of the main Library and the Office of Fruit and Vegetable Crops and Diseases of the Bureau of Plant Industry. Miss M. R. Newman, of the Office of Fruit and Vegetable Crops and Diseases, is in charge of the collection.

MOVING OF THE LIBRARY
(continued)

Law Library

The library of the Solicitor's Office contains the bulk of the law books belonging to the Department and is located, as in the past, in the Administration Building, on the third floor in rooms 428-430, in charge of Mr. F.D. Scott.

Plant Industry Library

The offices of the library staff of the Bureau of Plant Industry have been moved from the West Wing to rooms 1057-1069 on the north corridor of the South Building, near the main Reference Room. The office of the Librarian, Miss Jessie M. Allen, is in room 1065. The assistant handling the circulation of periodicals to the bureau is in room 1067. The office of Miss Alice C. Atwood, who is in charge of the botanical catalogue and the preparation of the mimeographed "Plant Science Literature" lists is in room 1059. The botanical catalogue is located in the Public Catalogue Room (room 1052) of the main Library, adjoining the general catalogue of the Library, in the west end of the room.

Public Roads Library

The library of the Bureau of Public Roads has not been moved. It is still with the bureau on the first floor of the Willard Building, 515 14th Street, Northwest. In the library are filed the Department's collections relating to highways and bridges, highway transport, highway safety, traffic and traffic planning, and related subjects. The Librarian is Miss O. Louise Evans.

Weather Bureau Library

The Weather Bureau library is located at 34th and M Streets, Northwest, with the offices of the bureau. It contains the Department's entire collection of meteorological literature, consisting of approximately 50,000 volumes. The library maintains an extensive catalogue of meteorological literature, and various indexes. A record of the books in the Weather Bureau library is not contained in the Department Library catalogue. The Librarian of the Bureau is Prof. C. F. Talman.

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ISSUED MONTHLY
BY THE
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY
WASHINGTON
D. C.

PRINCIPAL LIBRARY ACCESSIONS

Agricultural Colonization

- PONFICK, HANS, and WENZEL, FR. Das reichssiedlungsgesetz vom. 11. august 1919 nebst den ausführungsbestimmungen. Fl. 3. Berlin, Heymann, 1930.
- SCHMIDT, FRIEDRICH. Die vorstädtische Kleinsiedlung. Eberswalde [Müller, 1933?] (Handbücherei des Wohnungswesens. hft.2)

Agriculture

- HILDÉN, N. A., JONASSON, FELIX, and MATTSON, S. Finnish agriculture and forestry illustrated. Porvoo, Helsinki, Söderström, 1932. English translation by Edward Birse.

Architecture, Housing

- COUNTRY HOME. The Country home model farm house. Ed. 2. New York, Crowell, 1934.
- NATIONAL ASSOCIATION OF HOUSING OFFICIALS. A housing program for the United States. Chicago, 1934.
- POLITICAL AND ECONOMIC PLANNING. INDUSTRIES GROUP. Housing England. London, 1934.

Botany

- ATANASOV, DIMITAR. Virus diseases of plants; a bibliography. Sofia, Houdojnik printing company, 1934.
- CHARDON, C. E., and TORO, R. A. Mycological explorations of Venezuela San Juan, 1934. (Monographs of the University of Puerto Rico, physical and biological sciences. Series B, no. 2)
- DOMINGUES, ALFHEU. Esbôco de um glossário de fitogeografia. Rio de Janeiro, Directoria de estatística da produção, Secção de publicidade, 1934.
- HAASIS, F. W. Diametral changes in tree trunks. Washington, 1934. (Carnegie institution of Washington. Publication no. 450)

Cacao

- LECOINTE, RAUL. A cultura do cacau na Amazônia. Ed. 2. Rio de Janeiro, Ministerio da agricultura, Directoria de estatística da produção, Secção de publicidade, 1934.

Cereals

- ACERBO, GIACOMO. La economia dei cereali nell'Italia e nel mondo. Milano, Hoepli, 1934.
- CARLE, E. Le riz en Cochinchine. Cantho, Imprimerie de l'Ouest, 1933.
- AUSTRALIA. ROYAL COMMISSION ON THE WHEAT, FLOUR AND BREAD INDUSTRIES. 1st report. Canberra, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Children

- IOWA. UNIVERSITY. CHILD WELFARE RESEARCH STATION. Report of research, by George D. Stoddard. Iowa City, 1934. Mimeographed.
- MINNESOTA. UNIVERSITY. INSTITUTE OF CHILD WELFARE. Report of research activities. Minneapolis, 1934. Mimeographed.

Cookery

- SMITH, MRS. E. L. The official cook book of the Hay system. New York City, Hay system, 1934.
- SOUTHERN RICE INDUSTRY. Rice; 200 delightful ways to serve it. New Orleans, 1934.
- MUGLER, C. M. Sunset's grubstake cook book. San Francisco, Sunset magazine, 1934.

Dairying

- CANADA. DEPT. OF AGRICULTURE. An economic analysis of creamery operations in New Brunswick. Ottawa, 1934. Mimeographed.
- CONFERENCE DIPLOMATIQUE INTERNATIONALE POUR L'UNIFICATION DES METHODES DE PRELEVEMENT D'ECHANTILLONS ET D'ANALYSE DES FROMAGES, ROME, 1934. Actes. Rome, Institut international d'agriculture, 1934.
- MATTE, ENRIQUE. Lechería. Santiago de Chile, Imprenta "La Ilustración", 1919.
- NEW ZEALAND. DAIRY INDUSTRY COMMISSION. Report. Wellington, 1934.

Economics, Statistics

- CANADA. BUREAU OF STATISTICS. EXTERNAL TRADE BRANCH. Trade between Canada and Belgium (calendar years 1929 to 1933) Ottawa, 1934. Multi-graphed.
- COMMITTEE ON GOVERNMENT STATISTICS AND INFORMATION SERVICES. Statistics relating to agriculture. Washington, 1934. Mimeographed.
- FITCH, E. M., and CURTISS, R. L. Industrial trends in Wisconsin. Madison, 1933. (Bulletin of the University of Wisconsin. Serial no. 1890. General series no. 1674)
- GORDON, J. B. Will an excise tax on foreign vegetable oils benefit producers of American lard, butter and cotton seed oil? Testimony before Ways and means committee of the House of representatives, Dec. 21, 1933. Washington, Bureau of raw materials for American vegetable oils and fats industries, 1934.
- GT. BRIT. TREATIES, ETC, 1910-(GEORGE V) Agreement between His Majesty's government in the United Kingdom and the president of the republic of Estonia, supplementary to the Treaty of commerce and navigation of January 18, 1926, London, 1934.
- IAKOVLEV, I. A. Collective farming in 1932. Moscow, Co-operative publishing society of foreign workers in the U.S.S.R., 1932.
- MACRAE, D. B., and SCOTT, R. M. In the south country. Saskatoon, Saskatchewan star-phoenix, 1934.
- MEXICO. SECRETARÍA DE LA ECONOMÍA NACIONAL. DIRECCIÓN GENERAL DE ESTADÍSTICA. Mexico en cifras (atlas estadístico) 1934. Tacubaya, 1934.

PRINCIPAL LIBRARY ACCESSIONS

Economics, Statistics (Continued)

- MOLOTOV, VIACHESLAV. The tasks of the second Five-year plan. Moscow-Leningrad, Co-operative publishing society of foreign workers in the U.S.S.R., 1934.
- MURRAY, K. A. H., and COHEN, R. L. The planning of Britain's food imports. Oxford, University of Oxford, Agricultural economics research institute, 1934.
- NEW ENGLAND RESEARCH COUNCIL ON MARKETING AND FOOD SUPPLY. Statistical data on agricultural commodities. Boston, 1934. Mimeographed.
- OGURN, W. F. You and machines. Washington, National Capital Press, 1934.
- POSTYSHEV, P. P. Soviet Ukraine today. The results of the agricultural year 1933 and the immediate tasks of the Communist party of the Ukraine, by P. P. Postyshev, and Results and immediate tasks of the national policy in the Ukraine, by S. V. Kossior. Moscow, Co-operative publishing society of foreign workers in the U. S. S.R. 1934.
- SASULY, MAX. Trend analysis of statistics. Washington, Brookings institution, 1934.
- STALIN, IOSIF. Work in the rural districts. Moscow-Leningrad, Co-operative publishing society of foreign workers in the U.S.S.R., 1933.
- STERNAL, FRANZ. Ueber, den einfluss der vich- und fleischzölle auf die vich- und fleischpreise in inlande. Halle, Akademischer verlag Halle, 1934.

Eggs

- CONFERENCE DIPLOMATIQUE INTERNATIONALE POUR LE MARQUAGE DES ŒUFS, Bruxelles 1931. Actes. Rome, Institut international d'agriculture, 1934.
- OLSSON, NILS. Studies on specific gravity of hens' eggs. A new method for determining the percentage of shell in hens' eggs. Leipzig, Harrasowitz, 1934.

Entomology

- ARGENTINE REPUBLIC. MINISTERIO DE AGRICULTURA. COMISIÓN CENTRAL DE INVESTIGACIONES SOBRE LA LANGOSTA. Informes de las comisiones exploradoras, mayo á agosto de 1933. Buenos Aires, 1934.
- INTERNATIONAL LOCUST CONFERENCE. 3d, London, 1934. Proceedings. London, H.M. Stationery, off., 1934.
- RUSSELL, P. F. Malaria and Culicidae in the Philippine Islands; history and critical bibliography, 1898 to 1933. Manila, 1934. (Philippine Islands. Dept. of agriculture and commerce, Manila. Technical bulletin 1.)
- TANGANYIKA TERRITORY. DEPT. OF TSETSE RESEARCH. A further account of the anti-tsetse campaign in Tanganyika Territory. Dar es Salaam, Tanganyika standard, 1934.

Fats and oils

- INSTITUTE OF AMERICAN FATS AND OILS, Washington, D. C. The new margarine picture. Washington, 1935.
- WEGENER, K. A. Nationale fettwirtschaft. Ed. 2, teil 1. Margarine und öle. Kempton in Allgäu, Deutsche molkerei-zeitung, 1934.

PRINCIPAL LIBRARY ACCESSIONS

(continued)

Finance

- ARNDT, E. H. D. Some aspects of agricultural finance in America. Report of a visit to the United States of America and Canada. Pretoria, South Africa, Carnegie corporation Visitors' grants committee, 1933.
- BURTON, F. F. Corporation finance. New York, Harper, 1934.
- HARDY, C. O., and VINER, JACOB. Report on the availability of bank credit in the seventh Federal reserve district, submitted to the secretary of the treasury. Washington, 1934. Mimeographed.
- LINDENHAL, GUSTAV. A sound scientific money system as cure for unemployment. Original treatise written in 1922; revised in September, 1933. Boston, Stratford, 1934.
- NEW ZEALAND. MONETARY COMMITTEE. Minutes of evidence. Wellington, 1934.
- NEW ZEALAND. MONETARY COMMITTEE. Report, Wellington, 1934.

Horticulture

- DARLINGTON, W., & Sons, Ltd., Worthing, Eng. The cultivation of mushrooms. New & revised edition. Worthing, 1934.
- JAY-SLAKE, A. J., ed. Gardening in East Africa, a practical handbook, by members of the Kenya horticultural society and of the Kenya and Uganda civil services. London, Longmans, Green, 1934.

Labor, Unemployment

- ALDRICH, W. W. The financing of unemployment relief. [New York? 1934]
- CALIFORNIA. SPECIAL INVESTIGATING COMMITTEE ON IMPERIAL VALLEY FARM LABOR SITUATION. The Imperial valley farm labor situation. Report and Supplement. Sacramento, 1934. Mimeographed.
- NEW YORK (STATE) TEMPORARY EMERGENCY RELIEF ADMINISTRATION. Relief activities of city and country welfare districts in cooperation with the state Temporary emergency relief administration, November 1, 1931-December 31, 1933. [Albany, 1934?]

Parasites

- DÉVÉ, FELIX. Trente-deux années d'étude de l'échinococcose. Buenos Aires, Asociación medica argentina, 1934.

Psychology, Agricultural

- FONDARD, LOUIS. Essai sur la signification psychique du milieu (introduction à l'étude de l'abandon des campagnes) Marseille, Ged, 1934.

Roads, Transportation

- BRUCE, A. G. Highway design and construction. Scranton, Pa., International textbook company, 1934.
- DAGGETT, STUART. Principles of inland transportation. Revised edition. New York, Harper, 1934.
- OHIO. HIGHWAY DEPT. Specifications for design of highway structures. Columbia, 1933.

PRINCIPAL LIBRARY ACCESSIONS
(continued)

Science

SCIENCE ADVISORY BOARD. Report. 1st. 1933/34. Washington, 1934.

Soils

INTERNATIONAL SOCIETY OF SOIL SCIENCE. FIRST COMMISSION. Comptes rendus de la Conférence. Paris, Imprimerie nationale, 1934.

Theses

- BOLTJES, T. Y. K. Onderzoekingen over nitrificerende bacteriën. Delft. 1934. Proefschrift. Technische hogeschool, Delft.
- FILBY, F. A. A history of food adulteration and analysis. London, Allen & Unwin, 1934. Thesis. University of London.
- GERSTNER, FRANZ. Die quantitative bestimmung kleinster quecksilbermengen und ihre anwendung auf verschiedene probleme. 1931. Dissertation. Tech. hochschule, Karlsruhe.
- GUNTHER, G. A. Die entwicklung der bodenbearbeitungsgeräte in den niederungen der Weichsel von Thorn bis Danzig und ihr einfluss auf die bodenkultur. 1934. Dissertation. Tech. hochschule, Danzig.
- HAGER, WILHELM. Über die einwirkung von saltpetersäure auf acetylen und äthylen in gegenwart von quecksilbersalzen. 1928. Dissertation. Tech. hochschule, Karlsruhe. Mimeographed.
- HAMMEL, CARL. Betriebswirtschaftliche studien auf dem gebiete der hafer-nährmittel-industrie. Lauda [1933?] Inaug.-diss. Mannheim.
- HATZIELES, BASILE. Die wirtschaftliche bedeutung der schafzucht in Griechenland. 1934. Inaug.-diss. Tech. hochschule, Berlin.
- KÜCHLIN, A. T. Studies over het mechanisme van de reactie van Fenton. 1932. Proefschrift. Tech. hogeschool, Delft.
- MEEUWEN, CORNELIS VAN. Bijdrage tot de kennis van de oxydatie met organische perzuren. 1934. Proefschrift. Tech. hogeschool, Delft.
- METZ, M. A., sister. A flora of Baxar county, Texas. Washington, 1934. (Contribution from the Biological laboratory of the Catholic university of America, no. 16) Thesis. Catholic university of America, 1934.
- MINTROP, HERMANN. Untersuchungen über die messung von stoffkräften. Würzburg, 1934. Adbhandlung. Tech. hochschule, Karlsruhe.
- OLTEANU, RODICA. Étude monographique sur Hibiscus esculentus (Abelmoschus esculentus L. Mey) 1933. Thèse. Genève.
- OWSIANIECKI, ENIL. Zur frage der trichophytie beim rinde. Osterwangau am Taubenberg (Obby.). 1934. Inaug.-diss. München.
- THOMANN, GUSTAV. Über cholesterin, cholsäure und P-santalen. Zürich, 1933. Promotionsarbeit. Eidg. tech. hochschule, Zürich.
- ZIMMERMANN, WALTER. Zur kenntniss der coryophyllens und des patschulialkohols. Zürich, 1933. Promotionsarbeit. Eidg. tech. hochschule, Zürich.

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PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

WALLACE, H. A. Three steps to recovery in '35. Bur. Farmer, Ill. sect.
10(5): 7-8, 10c. Jan. 1935.

Bureau of Agricultural Economics

- BERCAW, L. O. Price analysis - Selected references on the theoretical aspects of supply and demand curves and related subjects. Econometrica 2: 399-421. Oct. 1934.
- BURGESS, J. A. U. S. beef grading, stamping. Natl. Live Stock and Meat Board. Ann. Rept. 11(1933/34): 30. June 30, 1934.
- EDLER, G. C. Seed verification service has biggest year. In Seed Trade Buyer's Guide and Directory. Ed. 18. p. 42. 1935.
- EDWARDS, E. E. Archer Butler Fulbert - biographical sketch. Agr. Hist. 8: 143-144. July 1934.
- _____ James L. Reid (Dec. 26, 1844-June 1, 1910), corn breeder... Dictionary of Amer. Biography 15: 477-478. New York, Charles Scribner's sons, 1935.
- FARR, W. K. Cotton fibers. IV. Fiber abnormalities and density of the fiber mass within the boll. Contrib. Boyce Thompson Inst. 6: 471-478. Oct./Dec. 1934.
- _____ and ECKERSON, S. H. Separation of cellulose particles in the membranes of cotton fibers by treatment with hydrochloric acid. Contrib. Boyce Thompson Inst. 6: 309-313. July/Sept. 1934.
- _____ and SISSON, W. A. X-ray diffraction patterns of cellulose particles and interpretations of cellulose diffraction data. Contrib. Boyce Thompson Inst. 6: 315-321. July/Sept. 1934.
- GERDES, F. L. Some cotton quality benefits from improved ginning. Acco Press 12(9): 1-8. Sept. 1934.
- _____ Driers improve quality. South Agr. 64(5): 6. May 1934.
- HARPER, F. H. Book review. (An introduction to the computation of statistics, by Shepherd Dawson. London, University of London press 1933, 192p.) Amer. Econ. Rev. 24: 359. June 1934.
- Mc CARTHY, B. F. The retailer is the keystone of the entire meat industry. N.Y. State Assoc. Retail Meat Dealers Bulletin. 9(2): 24. Jan. 15, 1935.
- _____ When consumers are satisfied with their beef purchases. Natl. Live Stock Prod. 13(2): 4. Nov. 1934.
- SLOCUM, R. R. Those official U.S. egg grades. Amer. Creamery and Poultry Prod. Rev. 78: 388. July 18, 1934.
- STURGES, A. Note on correlation in random series. Jour. Amer. Statis. Assoc. 24: 421. Dec. 1934.
- WESTON, J. L. Farm real estate taxes since 1913. Bul. Natl. Tax Assoc. 20(3): 78-86. Dec. 1934.

*These lists are prepared in the bureaus under which they are given, with the exception of the Office of the Secretary and the Office of Information.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(continued)

Bureau of Agricultural Engineering

- BROWN, B. A. and CUMMINGS, G. A. Fertilizer placement studies with potatoes in 1933. Amer. Potato Jour. 11: 265-273. Oct. 1934.
- GRAY, R. P. Some requirements for extending farm electrification. Agr. Engin. 15: 415-418. Dec. 1934.
- RIESBOL, R. S. Field-crescoting plant for small construction job. Engin News-Rec. 113: 819. Dec. 27, 1934.

Bureau of Animal Industry

- BYERLY, T. C., and OLSEN, M. W. Polyembryony in the domestic fowl. Science 80: 247-248. Sep. 14, 1934.
- JULL, M. A. Studies in fertility in the domestic fowl. Poultry Sci. 14: 37-41. Jan. 1935.
- KNOX, C. W. How to use crossbred poultry. Poultry Item 37 (3): 5, 34 Jan. 1935.
- OLSEN, M. W. and BYERLY, T. C. The orientation of the embryo in the egg of the domestic fowl. Poultry Sci. 14: 46-53. Jan. 1935.
- TITUS, H. W., and HARSHAW, H. M. An adaptation of the "Randomized Block" to nutrition experiments. Poultry Sci. 14: 3-15.

Bureau of Biological Survey

- ASHBROOK, F. G. The fur trade learns a lesson. Fur Age Weekly 26 (7): 5. Nov. 26, 1934.
- Facts for fur farmers. Hunter, Trader, Trapper 69 (5): 51. Nov. 1934.
- BURLEIGH, T. D. The breeding range of the painted bunting in South Carolina. Auk 52: 95. Jan. 1935.
- COTTAM, C. Whitehead on "The effect of arsenic, as used in poisoning grasshoppers, upon birds." [Review of Okla. Agr. Expt. Sta. Bull. 218, 54 p., June 1934] Auk 52: 118-119. Jan. 1935.
- KELSO, L. A key to species of American owls. Biol. Leaflet no. 4, 101p, illus. Nov, 1934 [Contains the following papers: An artificial key to owl genera represented in the Americas, p. 11-28; List of the owls of the Americas, by Estelle H. Kelso, p. 31-68; Notes on the habits of Cholibu screech owls, p. 69-74; The relation of the diurnal habit to latitudinal distribution, habitat, and abundance of American owls, p. 75-85; and Notes on the habits of the spectacled owl and its relatives, p. 87-96.]
- Gorsuch's "Life history of the Gambel Quail in Arizona." [Review of Univ. Ariz. Bull., v.V, no.4, Biol. Sci. Bull., 89 p., May 15, 1934] Auk 52: 117-118. Jan. 1935.
- Lid on food of Taimyr ptarmigans. [Review of Crop ptarmigans from Taimyr, by Johannes Lid. In Norwegian North Polar Expedition with the "Maud" 1918-1925, Sci. Results, v.V, no.2, p.3-7, Sept.20,1933] Auk 52: 116. Jan. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey
(continued)

- McATEE, W. L. Economic ornithology in recent entomological publications. Auk 52: 115-116. Jan. 1935.
- Manuel on food of the Philippine weaverbird. [Review of Observations on the Philippine weaver, *Munia jayori* Martens, II: Foods and feeding habits, by Canuto G. Manuel. Phil. Jour. Sci. 53: 393-418, Apr. 1934] Auk 52: 116-117. Jan. 1935.
- Letter to the Editor on preservation of species in aviaries. Auk 52: 128-129. Jan. 1935.
- TEMPLETON, G. S. Exhibit features rabbit meat. Amer. Rabbit Jour. 5: 3. Jan. 1935.
- WARD, J. C., MUNCH, J. C., SPENCER, H. J., and GARIOUGH, F. E. Studies on strychnine, III: The Effectiveness of sucrose, saccharin, and dulcin in masking the bitterness of strychnine. Jour. Amer. Pharm. Assoc. 23: 984-988. Oct. 1934.

Bureau of Entomology and Plant Quarantine

- EISHOPP, F. C. A destructive outbreak of the screw worm fly, *Cochliomyia* ssp., in the Southeast. (Abstract) Jour. Parasitol. 20: 337. Dec. 1934.
- CAUDELL, A. N. Notes on some Tettigoniinae of California with descriptions of new species. Pan-Pacific Ent. 10: 151-158. Oct. 1934.
- CUSHMAN, E. A. New Ichneumonidae from India and China. Indian Forest Rec. (Ent. ser.). 20(12): 8 p. Dec. 6, 1934.
- DOVE, W. E., and HALL, D. G. Dikes and automatic tide gates in control of sand flies and salt marsh mosquitoes. (Abstract) Jour. Parasitol. 20: 337-338. Dec. 1934.
- FISHER, W. S. Malaysian Cerambycidae (Coleopt.). Mus. Roy. d'Hist. Nat. Belg. Bul. 10(15): 6 p. Mar. 1934.
- New anobiid beetle [*Platybregmus canadensis*] from Canada. Canad. Ent. 66: 275-276. Dec. 1934.
- OMAN, F. W. New North American agallian leafhoppers with notes on other species. Jour. Kans. Ent. Soc. 8: 9-16. Jan. 1935.
- SIMMONS, P. A blue moon. Science 80: 616. Dec. 28, 1934.
- YOUNG, H. C. (With C. E. Sanborn, senior author, Ephraim Hixson, E. E. Scholl, and C. F. Stiles, Oklahoma Agr. Expt. Sta.) History and control of the boll weevil in Oklahoma. Oklahoma Agr. Expt. Sta. Bul. 222. 32p. 1934.

Forest Service

- ANDERSON, I. V. Clean cutting of ponderosa pine versus selective cutting. Jour. Forestry. 32: 886. Nov. 1934.
- BATES, C. G. The plains shelter belt project. Jour. Forestry. 32: 978-991. Dec. 1934.
- BRANDSTROM, J. F. Advantages of selective logging with tractors. Timberman. 36 (2): 61-62. Dec. 1934.
- Advantages of selective logging with tractors. Logger's daily. Oct. 29, 1934. p.16-17. (pub. by Timberman for 25th Pacific Logging Conf.)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Forest Service
(continued)

- CARY, AUSTIN. Dr. Cary's views on Russian naval stores situation. Naval Stores Rev. 44 (37): 4, 15. Dec. 22, 1934.
- DAVIS, E. M. Sidelights on southern hardwoods. South. Lumberman. 149 (1889): 75-76. Dec. 15, 1934.
- GUTHRIE, J. D. Foresters, the army, and the CCC. Jour. Forestry. 32: 942-948. Dec. 1934.
- HALL, J. A. A biological chemist looks at the turpentine woods. South Lumberman. 149 (1889): 71-2. Dec. 15, 1934.
- HALL, R. C. Proposed deferred timber tax plan; an amount equal to the annual taxes levied on timber values would be paid by the State to the various government units. Timberman. 36 (2): 68-69. Dec. 1934.
- HEADLEY, ROY. Why big national forest fires? Amer. Forests 40: 559-561, 598. Dec. 1934.
- HUBERMAN, M. A., and MAY, J. T. Entomological factors affecting salvaging of fire injured trees. Jour. Forestry. 32: 1016-1019. Dec. 1934.
- KIRCHER, J. C. U. S. getting options on land in South. Forestry News Digest. 1935(Jan.): 7. Jan. 1935.
- KIRKLAND, B. P. Regulating the cut by the continuous inventory flexible rotation system. Jour. Forestry. 32: 818-825. Nov. 1934.
- MACKINNEY, A. L. Some effects of three annual fires on growth of longleaf pine. Jour. Forestry. 32: 879-881. Nov. 1934.
- MUDGETT, B. D. and GEVORKIANTZ, S. R. Reliability of forest surveys. Jour. Amer. Statis. Assoc. 29: 257-287. Sept. 1934.
- PAUL, B. H. and MARTS, R. O. Growth, specific gravity, and shrinkage of twelve delta hardwoods. Jour. Forestry. 32: 861-873. Nov. 1934.
- PESSIN, L. J. Effect of flower production on rate of growth of vegetative shoots of longleaf pine. Science. 80: 363-364. Oct. 19, 1934.
- RAPRAEGER, E. F. Movement of Douglas fir log prices on Puget Sound, 1896-1933. Logger's Daily. Oct. 26, 1934. p.22-23, 28. (Pub. by Timberman for 25th Pacific Logging Cong.)
- RINGLAND, A. C. The Civilian conservation corps and the National resources board. Jour. Forestry. 32: 949-951. Dec. 1934.
- SCHAEFFER, C. H. Forestry farthest south. Forestry News Digest. 1935 (Jan.): 8. Jan. 1935.
- SILCOX, F. A. The challenge of forest land; America's present adversity accentuates need to make it contribute affirmatively to the permanent support of the nation's population. Amer. Forests 41: 3-6, Jan. 1935.
- VAUGHN, W. T. Fire control in thinned areas. Jour. Forestry. 32: 883-885. Nov. 1934.
- WHITE, E. F. British timberman organize to combat substitutes. Jour. Forestry. 32: 878-879. Nov. 1934.
- WOOD, O. M. A brief record of seed productivity for chestnut oak in southern New Jersey. Jour. Forestry 32: 1014-1016. Dec. 1934.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(continued)

Bureau of Home Economics

- ELMQUIST, E. E., and WARTLEY, O. P. Methylene blue absorption as a quantitative measure of wool damage. Textile Research 5 (3): 149-156. January 1935.
- MORRIS, H. P., KING, F. B., and NESTLER, E. E. Variation in the white-to-yolk ratio of fresh eggs. Jour. Home Econ. 27: 33-35. January 1935.
- O'BRIEN, P. Guides in buying clothing. Amer. Sociologist 8 (4): 10-11. December 1934.

Bureau of Plant Industry

- ANDRUS, C. E., and MOORE, W. D. Colletotrichum truncatum (Schw.), n. comb., on garden and Lima beans. Phytopathology 25: 121-125. Jan. 1935.
- BAHRT, G. L. Progress report of soil fertility and fertilizer experiments on bronzing of citrus. Fla. State Hort. Soc. Proc. (1934) 47: 18-20. (Recd Jan. 1935)
- BEATTIE, P. K. Advances in our knowledge of the Dutch elm disease. Natl. Shade Tree Conf. Proc. 10: 76-78. 1934.
- BLAKE, S. E. Better herbarium specimens. Rhodora 37: 19. Jan. 1935.
- BLANK, L. H. A mosaic on cabbage in Wisconsin. (Abstract) Phytopathology 25: 6. Jan. 1935.
- BRIERLEY, P. Streak, a virus disease of roses. (Abstract) Phytopathology 25: 7-8. Jan. 1935.
- Symptoms of rose mosaic. (Abstract) Phytopathology 25: 8. Jan. 1935.
- BROOKS, C. Some botanical aspects of perishable food products. Sci. Month. 40: 123-137. Feb. 1935.
- BROWN, B. E., REID, F. R. (With K. D. Jacob, Bur. Chem & Soils) Fertilizer value of phosphate rock improved by treatment with water vapor at high temperatures. Amer. Fert. 81(13): 5-7, 27. Dec. 29, 1934.
- BRYAN, A. A. (With J. L. ROBINSON, Iowa Agr. Expt. Sta.) Iowa corn and small grain growers' association. Iowa Corn Yield Test. Iowa State Dept. Agr. Iowa Year Book Agr. (1933) 34: 94-104. 1934.
- CHRISTIE, J. R. The development of root-knot nematode galls. (Abstract) Phytopathology 25: 10-11. Jan. 1935.
- CLARK, J. A. Registration of improved wheat varieties, VIII. Jour. Amer. Soc. Agron. 27: 71-75. Jan. 1935.
- CLAYTON, E. E. A new and important factor in the epidemiology of tobacco leaf diseases. (Abstract) Phytopathology 25: 11. Jan. 1935.
- COOLEY, J. S. Relation of host vigor to apple infection with Xylaria mali. (Abstract) Phytopathology 25: 12-13. Jan. 1935.
- COONS, G. H., and KOTILA, J. E. Influence of preceding crops on damping off of sugar beets. (Abstract) Phytopathology 25: 13. Jan. 1935.
- DOAK, K. D. Mycorrhizae and their relation to shade trees. Natl. Shade Tree Conf. Proc. 10: 99-105. 1934.
- (With P. L. FISHER, Forest Serv.) Mycorrhizal and pseudomycorrhizal infections of pine roots during first year's growth. (Abstract) Phytopathology 25: 14. Jan. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- DRECHSLER, C. Occurrence of a species of *Aphanomyces* on roots of spinach and flax. (Abstract) *Phytopathology* 25:14-15. Jan.1935.
- A *Pythium* species of the *megalacanthum* type in *Cineraria* roots and the relation of putrefaction to parasitism among the *Pythiaceae*. (Abstract) *Phytopathology* 25:14. Jan.1935.
- FAIRCHILD, D. The Jumbie bean tree in Florida. *Fla. State Hort. Soc. Proc.* (1934) 47:133-136. (Recd Jan.1935)
- Reasons for a large general plant introduction garden in southern Florida. *Fla. State Hort. Soc. Proc.* (1934) 47:117-120. (Recd Jan.1935)
- GOLDSWORTHY, M. C., and GREEN, E. L. Availability of copper in Bordeaux mixture residues and its absorption by conidia of *Sclerotinia fructicola*. (Abstract) *Phytopathology* 25:17. Jan. 1935.
- GRIFFITHS, D. The magic 50 in daffodil forcing. *Seed World* 37(1): 33-34. Jan.4, 1935.
- HARTLEY, C. (With B. S. CRANDALL, Emergency Conserv. Work) Vascular disease in poplar and willow. (Abstract) *Phytopathology* 25:18-19. Jan.1935.
- HENSON, L. Apothecium production in *Sclerotinia trifoliorum* and *S. sclerotium*. (Abstract) *Phytopathology* 25:19-20. Jan.1935. (With Ky. Agr. Expt. Sta.)
- HUGHES, A. E. A device for measuring the ability of citrus fruits to withstand pressure. *Fla. Stat Hort. Soc. Proc.* (1934)47: 27-30. (Recd Jan.1935)
- JACKSON, L. W. R. (With B. SLEETH, Emergency Conserv. Work) A new disease affecting *Platanus orientalis* in the eastern United States. (Abstract) *Phytopathology* 25:22. Jan.1935.
- (With B. S. CRANDALL, Emergency Conserv. Work) A *Phytophthora* root and collar rot of *Pinus resinosa* seedlings. (Abstract) *Phytopathology* 25:22. Jan.1935.
- JODON, N. E. Plant breeding. *Rice News* 1(12):15-16. Oct.1934.
- KRANTZ, F. A. (With H. M. DARLING and J. G. LEACH, Minn. Agr. Expt. Sta.) Scab resistance in potato seedlings. (Abstract) *Phytopathology* 25:13-14. Jan.1935.
- LAMBERT, E. B. (With B. S. CRANDALL, Emergency Conserv. Work) A *Phytophthora* wilt of black-locust seedlings. (Abstract) *Phytopathology* 25: 24-25. Jan.1935.
- LEVINE, M. N. (With E. C. STAKMAN, Bur. Ent. & Plant Quarantine; L. HINES & R. C. CASSELL, Minn. Agr. Expt. Sta.) Population trends of physiologic forms of *Puccinia graminis tritici*, 1930-1934. (Abstract) *Phytopathology* 25:34. Jan.1935.
- (With E. C. STAKMAN, Bur. Ent. & Plant Quarantine) Uniform rust nurseries indicate decreasing severity of stem rust. (Abstract) *Phytopathology* 25:25. Jan.1935. (With Minn. Agr. Expt. Sta.)
- LIMING, O. N. The Dutch elm disease eradication program in the United States. *Natl. Shade Tree Conf. Proc.* 10:67-72. 1934.
- McCALL M. A. Man in prehistory. (Review of Leakey, L.S.B., *Adam's ancestors*. Longmans, Green & Company, New York, 1934) *Jour. Heredity* 26:24. Jan.1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- MAGNESS, J. R. Factors affecting the biennial bearing of apple trees. Mich. State Hort. Soc. Ann. Rept. (1933) 63:108-113. [1934]
----- The moisture problem in the orchard. Mich. State Hort. Soc. Ann. Rept. (1933) 63: 103-108. [1934]
- MAY, C. Notes on the work of the Dutch elm disease laboratory. Natl. Shade Tree Conf. Proc. 10:73-75. 1934.
- METCALF, H. Science and shade tree welfare. Natl. Shade Tree Conf. Proc. 10:11-14. 1934.
- MORRISON, B. Y. Painting the hills green. Sci. Month. 40:173-177. Feb. 1935. (Science Service radio talk)
- MURPHY, H. C. Effect of crown rust on the cold resistance of oats. (Abstract) Phytopathology 25:28. Jan. 1935.
----- Effect of crown rust on yield, water economy, and composition of oats. (Abstract) Phytopathology 25:28-29. Jan. 1935.
- ROBERTS, J. W., FIERCE, L., SMITH, M. A., DUNEGAN, J. C., GREEN, E. L., and GOLDSWORTHY, M. C. Copper phosphate mixture: a promising fungicide. (Abstract) Phytopathology 25:32-33. Jan. 1935.
- ROBINSON, T. R. Tangelo varieties and their possibilities. Fla. State Hort. Soc. Proc. (1934) 47:110-112. (Recd Jan. 1935)
- SCHEFFER, T. C., and CHAPMAN, A. D. Dipping tests for control of sapstain, mold, and decay in southern lumber and logs. South. Lumberman 149(1881):37-39. Aug. 15, 1934.
----- Prevention of interior brown stain in persimmon sapwood during seasoning. Hardwood Rec. 72(11):17-18, 20. Nov. 1934.
- SERVICES, G. H. Machine placement of fertilizers applied to snap beans in Florida. Fla. State Hort. Soc. Proc. (1934) 47:39-41. (Recd Jan. 1935)
- SHAMEL, A. D., and POMEROY, C. S. Progress report on girdling Washington Navel orange trees. Calif. Citrogr. 20:94, 101. Feb. 1935.
- SHAPOVALOV, M. Chemical splitting of the tomato "combination streak" virus complex. (Abstract) Phytopathology 25:33. Jan. 1935.
- SKINNER, J. J., BAHRT, G. M., and HUGHES, A. E. Influence of fertilizers and soil amendments on citrus trees, fruit production and quality of fruit. Fla. State Hort. Soc. Proc. (1934) 47:9-17. (Recd Jan. 1935)
- SMITH, C. L., HAMILTON, J., THOR, C. J. B., and ROMBERG, L. D. The development of large pecan trees headed to different degrees prior to topworking. Tex. Pecan Growers' Assoc. Proc. 14:35-41. 1934.
----- and COLE, J. R. (With A. O. ALBEN, Bur. Chem. & Soils) Progress report of pecan rosette control experiments in Texas. Tex. Pecan Growers' Assoc. Proc. 14:41-46. 1934.
- STANTON, T. R. Registration of varieties and strains of oats, VI. Jour. Amer. Soc. Agron. 27:66-70. Jan. 1935.
- STEVENS, H. E., and FULTON, H. R. Disease control of avocados and mangos. Fla. State Hort. Soc. Proc. (1934) 47:136-141. (Recd Jan. 1935)
- SWALLEN, J. R. The grass genus Gouinia. Amer. Jour. Bot. 22:31-41. Jan. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- TRAUB, H. P., and AUCHTER, E. C. Avocado fractional embryo graftage. Fla. State Hort. Soc. Proc. (1934) 47:129-130. (Recd Jan.1935)
- WEISS, F., and POST, T. B. Bottom rot of calla rhizomes. (Abstract) Phytopathology 25:38-39. Jan.1935.
- A fungus spot of azalea flowers. (Abstract) Phytopathology 25:38. Jan.1935.
- WRIGHT, E. Survival of heart rots in down timber in California. Jour. Forestry 32:752-753. Oct.1934.

Bureau of Public Roads

- ALLEN, T. W. Highway work in the United States - Pt.5 - Bituminous macadam. Highways and Bridges 1(25):11 Nov.27,1934.
- HARRISON, J. L. A new standard for the development of highway accessibility to mountain scenery. Roads and Streets 77(12) : 431-436 Dec.1934.
- HOAGENTGLER, C. A. and JOHNSTON, C. M. Design and construction of low-cost road surfaces. Pt. 1 - Study of soils in relation to the stability of pavements. Canadian Engr. 68(1) : 7-11. Jan.1,1935.
- KELLY, H. H. Selecting highway types according to traffic demand. (From an address at the API annual meeting) Automobile Topics. 116(6): 240-241. Dec.8,1934.
- ROGERS, C. F. Are you losing profit through lost time? - Pt.3. Contract. and Engin.Monthly 29(6):30-33. Dec.1934.

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CONGRESSES

Vth International Congress of Agricultural Schooling, under the auspices of His Excellency, the President of the Nation, General Augustin P. Justo. Buenos Aires, October 1935. Eng. Alfonso La Banca, General Secretary, Organizing Committee, Darsena Norte, Buenos Aires, Argentina.

IVe Congrès International Technique et Chimique des Industries Agricoles, under the patronage of His Majesty, the King of Belgium. Bruxelles, 15-28 July 1935. Secrétariat Général: 133 Chaussee de Charleroi, Bruxelles.

Second International Library and Bibliographical Congress, Madrid-Barcelona, Spain, May 19-30, 1935.

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ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK*

Alabama

DUGGAR, J. F. The nodulation and other adaptations of certain summer legumes.
Jour. Amer. Soc. Agron. 27(1): 32-37. Jan. 1935.

Arkansas

SURE, B., KIK, M. C., and BUCHANAN, K. S. Enzymatic efficiency in avitaminosis.
I. Influence of vitamin B deficiency on tryptic and ereptic digestion of casein.
Jour. Biol. Chem. 108(1): 19-26. Jan. 1935.
SURE, B., KIK, M. C., and BUCHANAN, K. S. Enzymatic efficiency in avitaminosis.
II. Influence of vitamin B deficiency on efficiency of pancreatic lipase and
esterase. Jour. Biol. Chem. 108(1): 27-33. Jan. 1935.
SURE, B., KIK, M. C., and BUCHANAN, K. S. Technique for the study of tryptic-
ereptic digestion of proteins. Jour. Biol. Chem. 108(1): 11-18. Jan. 1935.

California

BAECKER, E. B., and CAMERON, D. R. Chromosomes and phylogeny in Crepis. II. The
relationships of one hundred eight species. Univ. Calif. Pubs. in Agr. Sci.
6(11): 287-324. Oct. 11, 1934.
CONDIT, I. J. Check list of avocado varieties. Calif. Avocado Assoc. Ann. Rpt.
(1934): 11-33. 1934.
FREEBORN, S. B. (With L. J. BERRY, Univ. Calif.) Observations on the sheep
tapeworm, Moniezia expansa, in California. Jour. Amer. Vet. Med. Assoc. 85
(5): 611-616. Nov. 1934.
HODGSON, R. W. How to overcome the alternate bearing of avocados. Calif.
Avocado Assoc. Ann. Rpt. (1934): 92-97. 1934.
ROBBINS, W. W. Weed investigations in California. West. Plant Quarantine
Board Proc. 15-16(1933-1934): 307-312. Oct.-Nov. 1934.
Proceedings issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.

Colorado

LIST, G. M. Report for Colorado. West. Plant Quarantine Board Proc. 15-16
(1933-1934): 236-237. 1934.
Proceedings issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.

Connecticut (Storrs)

JUNGHERR, E. Mycotic affections of the bovine reproductive system. Jour. Amer.
Vet. Med. Assoc. 86(1): 64-75. Jan. 1935.
JUNGHERR, E., and WILCOX, K. S. Salmonella aertrycke variant as an etiologic
agent of paratyphoid in pigeons. Jour. Infect. Diseases 55(3): 390-401.
Nov.-Dec. 1934.
LANDAUER, W., UPHAM, E., and RUBIN, F. Studies on the creeper fowl. VIII. The
effect of bone extract on skeletal growth and the phosphatase content of the
bones. Jour. Biol. Chem. 108(1): 121-126. Jan. 1935.

*Prepared in Office of Experiment Stations Library

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Connecticut (State)

CONN, H. J. [and others] Report of the committee on bacteriological technic: progress during 1934. Jour. Bact. 29(1): 2-3. Jan. 1935. (Abstract)

Florida

BRATLEY, H. E. Additional notes on the oleander caterpillar (*Syntomeida epilais* Walker). Fla. Ent. 18(3): 39. Nov. 1934.

COLEMAN, J. M., and Ruprecht, R. W. The effect of fertilizers and soil types on the mineral composition of vegetables. Jour. Nutrition 9(1): 51-62. Jan. 10, 1935.

EMMEL, M. W., SANDERS, D. A., and HENLEY, W. W. *Crotalaria spectabilis* Roth seed poisoning in swine. Jour. Amer. Vet. Med. Assoc. 86(1): 43-54. Jan. 1935.

EMMEL, M. W. The etiology of fowl paralysis, leucosis and allied conditions. Vet. Med. 30(2): 68-70. Feb. 1935.

THOMAS, E. F. The toxicity of certain species of *Crotalaria* seed for the chicken, quail, turkey and dove. Jour. Amer. Vet. Med. Assoc. 85(5): 617-622. Nov. 1934.

THOMPSON, W. L. Food habits of *Leptoglossus gonagra*. Fla. Ent. 18(3): 46. Nov. 1934.

THOMPSON, W. L. Notes on *Neotermes castaneus* Burm. Fla. Ent. 18(3): 33-39. Nov. 1934.

TISSOT, A. N. Two new aphids of the tribe Macrosiphini. Fla. Ent. 18(2): 17-23. June 1934.

WATSON, J. R. Notes on *Nezara viridula* (L). Fla. Ent. 18(3): 43. Nov. 1934.

WATSON, J. R. A pepper pest new to the United States. Fla. Ent. 18(2): 23. June 1934.

WATSON, J. R. Thysanoptera of the geenton. Fla. Ent. 18(3): 44-46. Nov. 1934.

Illinois

CARD, L. E., and ROBERTS, E. Fowls with blue plumage from a Leghorn-Cornish cross. Poultry Sci. 14(1): 45. Jan. 1935. (Brief article)

KADOW, K. J. The raspberry white-bud disease and its relation to bitter rot of apples. Phytopathology 25(1): 91-103. Jan. 1935.

ROBERTS, E. (With J. H. QUISENBERRY) A Brahma-Plymouth Rock mosaic. Jour. Heredity 26(1): 11-14. Jan. 1935.

Indiana

CONNER, S. D. Nitrogen, phosphorus, and potassium requirements of Indiana surface soils and subsoils. Jour. Amer. Soc. Agron. 27(1): 52-56. Jan. 1935.

MILES, S. R. A very rapid and easy method of testing the reliability of an average and a discussion of the normal and binomial methods. Jour. Amer. Soc. Agron. 27(1): 21-31. Jan. 1935.

PARFITT, E. H. A study of methods for determining the numbers of yeasts and molds in butter. Jour. Bact. 29(1): 69. Jan. 1935. (Abstract)

SPITZER, G., and PARFITT, E. H. Study of the lipolytic enzymes of three specific organisms. Jour. Bact. 29(1): 69-70. Jan. 1935. (Abstract)

THORNTON, S. F. The available phosphorus and potassium contents of surface soils and subsoils as shown by the Neubauer method and by chemical tests. Jour. Amer. Soc. Agron. 27(1): 46-51. Jan. 1935.

(continued)

Iowa

- CHARLTON, D. B., NELSON, M. E., and WERKMAN, C. H. Physiology of *Lactobacillus fructivorans* sp. nov., isolated from spoiled salad dressing. Iowa State Col. Jour. of Sci. 9(1): 11-17. Oct. 1934. (D. B. Charlton and M. E. Nelson, Iowa State College)
- COLLINS, E. V. (With W. C. Ayers, and L. W. JOHNSON, Iowa State College) A new type of terracing machine. Agr. Engin. 16(1): 6-7. Jan. 1935.
- ERB, C., WOOD, H. G., STONE, R. W., and WERKMAN, C. H. Intermediate behavior of succinic and acetic acids in the propionic fermentation. Jour. Bact. 29(1): 85-86. Jan. 1935. (Abstract) (C. Erb, H. G. Wood and R. W. Stone, Iowa State College)
- GOLDING, N. S. Some factors affecting the growth of *Penicillium roqueforti* in cheese. Iowa State Col. Jour. Sci. 9(1): 151-153. Oct. 1934.
- HABER, E. S. Shortening the rest period of the tubers of the Jerusalem artichoke, *Helianthus tuberosus* L. Iowa State Col. Jour. Sci. 9(1): 61-72. Oct. 1934.
- LINDSTROM, E. V. Segregation of quantitative genes in tetraploid tomato hybrids as evidence for dominance relations of size characters. Genetics 20(1): 1-11. Jan. 1935.
- LUSH, J. L. Progeny test and individual performance as indicators of an animal's breeding value. Jour. Dairy Sci. 18(1): 1-19. Jan. 1935.
- OLSON, H. C., and HAMMER, B. W. Organisms producing a potato odor in milk. Iowa State Col. Jour. Sci. 9(1): 125-127. Oct. 1934.
- PLAGGE, H. H. The storage behavior of apples as influenced by nitrogen fertilization and storage temperature. Iowa State Col. Jour. Sci. 9(1): 95-114. Oct. 1934.
- STONE, R. W., WOOD, H. G., ERB, C., and WERKMAN, C. H. Oxidation-reduction potential studies on propionic acid bacteria. Jour. Bact. 29(1): 86. Jan. 1935. (Abstract) (R. W. Stone, H. G. Wood and C. Erb, Iowa State College)
- THORNE, D. W., and WALKER, R. H. The respiration and growth of *Rhizobium* as influenced by the reaction of the medium. Jour. Bact. 29(1): 76. Jan. 1935. (Abstract) (D. W. Thorne, Iowa State College)
- WALKER, R. H., and BROWN, P. E. The numbers of *Rhizobium meliloti* and *Rhizobium trifolii* in soils as affected by soil management practices. Jour. Bact. 29(1): 77-78. Jan. 1935. (Abstract)
- WOOD, H. G., STONE, R. W., and WERKMAN, C. H. Dissimilation of glucose by propionic acid bacteria. Jour. Bact. 29(1): 84-85. Jan. 1935. (Abstract) (H. G. Wood and R. W. Stone, Iowa State College)
- YALE, M. W. Studies on the *Escherichia-Aerobacter* group of bacteria in dairy products. Iowa State Col. Jour. Sci. 9(1): 209-211. Oct. 1934.

Kansas

- HUGHES, R. H. (With E. J. WIMMER, Kans. State College) The absorption of soluble, volatile fatty acids. Jour. Biol. Chem. 108(1): 141-144. Jan. 1935.
- ROEPKE, R. R., and HUGHES, J. S. Phosphorus partition in the blood serum of laying hens. Jour. Biol. Chem. 103(1): 79-83. Jan. 1935. (R. R. Roepke, Kans. State College)
- SMITH, R. C. Notes on the Neuroptera and Mecoptera of Kansas, with keys for the identification of species. Kans. Ent. 7(4): 120-145. Oct. 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

Kentucky

- BORTNER, C. E. Toxicity of manganese to Turkish tobacco in acid Kentucky soils. Soil Sci. 39(1): 15-33. Jan. 1935.
- EMMERT, E. M. New Methods for the determination of the availability of nitrogen and phosphorus to plants. Jour. Amer. Soc. Agron. 27(1): 1-7. Jan. 1935.

Louisiana

- MAYHEW, R. L. Studies on coccidiosis VIII. Immunity or resistance to infection in chickens. Jour. Amer. Vet. Med. Assoc. 85(6): 729-734. Dec. 1934.

Maine

- DOVE, W. F. The physiology of horn growth: a study of the morphogenesis, the interaction of tissues, and the evolutionary processes of a Mendelian recessive character by means of transplantation of tissues. Jour. Expt. Zool. 69(3): 347-405. Jan. 5, 1935.

Michigan

- DUNCAN, C. W., HUFFMAN, C. F., and ROBINSON, C. S. Magnesium studies in calves. I. Tetany produced by a ration of milk or milk with various supplements. Jour. Biol. Chem. 108(1): 35-44. Jan. 1935.
- DUTTON, W. C. Lime for spraying purposes. Mich. State Hort. Soc. Rpt. 63 (1933): 5-7. 1934.
- HUDDLESON, I. F. (With A. D. HERSHEY, Mich. State College) The biological activity of a few chemical constituents of Brucella cells. Jour. Bact. 29(1): 58-59. Jan. 1935. (Abstract)
- JOHNSTON, S. Some promising and unpromising new peach varieties. Mich. State Hort. Soc. Rpt. 63(1933): 83-84. 1934.
- MALLMANN, W. L. Bacterial contents of chlorinated swimming pools during periods of use. Jour. Bact. 29(1): 26. Jan. 1935. (Abstract)
- MALLMANN, W. L., and DEVEREUX, E. D. The disinfection of beverage glasses by chlorine preparations. Jour. Bact. 29(1): 70-71. Jan. 1935. (Abstract)
- MARSHALL, R. E. Methods of producing sterile cider. Mich. State Hort. Soc. Rpt. 63(1933): 99-102. 1934.
- MUSSELMAN, H. H. The power take off sprayer and low pressure tires for tractors. Mich. State Hort. Soc. Rpt. 63(1933): 66-68. 1934.
- NEILSON, J. A. Condensed information on rabbit repellents. Mich. State Hort. Soc. Rpt. 63(1933): 47-49. 1934.
- RATHER, H. C., and DORRANCE, A. B. Pasturing alfalfa in Michigan. Jour. Amer. Soc. Agron. 27(1): 57-65. Jan. 1935. (In coop. with U. S. Dept. Agr.)
- ROBEY, O. E. A report of irrigation experiment at the Ohio orchard company. Mich. State Hort. Soc. Rpt. 63(1933): 9-10. 1934.
- SAUVE, E. C. Pneumatic tires for farm tractors. Mich. State Hort. Soc. Rpt. 63(1933): 68-69. 1934.
- SHERMAN, F. III. The efficiency of different spray materials in codling moth control. Mich. State Hort. Soc. Rpt. 63(1933): 28-29. 1934.
- TOENJES, W. A comparison of soil management methods in a young apple orchard. Mich. State Hort. Soc. Rpt. 63(1933): 11-13. 1934.
- WICKERHAM, L. J., and FABIAN, F. W. Dissociation of Saccharomyces uvarum-sacchari Fabian and Hall and Pichia alcoholophila Klöcker. Jour. Bact. 29(1): 11-13. Jan. 1935. (Abstract) (L. J. Wickerham, Mich. State College)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

Minnesota

- ALWAY, F. J. (With J. M. ZETTERBERG, Univ. Minn.) Relative amounts of calcium carbonate and magnesium carbonate in some Minnesota subsoils. *Soil Sci.* 39(1): 9-14. Jan. 1935.
- DONHAM, C. R., and FITCH, C. P. A study of preservatives for rapid-test *Brucella abortus* antigen. *Jour. Amer. Vet. Med. Assoc.* 85(6): 782-787. Dec. 1934.
- JOHNSON, E. A., PILKEY, A. M., and EDSON, A. W. Effect of supplementary iodine on reproduction in the fowl. *Poultry Sci.* 14(1): 16-23. Jan. 1935.
- PATTON, A. R. The determination of glycine in proteins. *Jour. Biol. Chem.* 108(1): 267-272. Jan. 1935.
- RUGGLES, A. G. Certified planting stock is fundamental to successful fruit growing. *Minn. Hort.* 63(1): 14, 15. Jan. 1935.
- WINTERS, L. M., and KERNKAMP, C. H. A faceless lamb. *Jour. Heredity* 26(1): 33-34. Jan. 1935.

Mississippi

- ANDREWS, W. B. Carbon dioxide production by mannite-treated soils as a means of determining crop response to fertilizers. *Soil Sci.* 39(1): 47-57. Jan. 1935.

Missouri

- ELDER, C. The relation of abortion or Bang's disease to mastitis. *Jour. Amer. Vet. Med. Assoc.* 85(5): 638-644. Nov. 1934.
- WOOLEY, J. C. The development of a terrace building machine. *Agr. Engin.* 16(1): 4-5. Jan. 1935.

New Jersey

- GEHM, H. W., and HEUKELEKIAN, H. Eosin methylene blue smear agar for rapid direct count of *E. coli*. *Jour. Bact.* 29(1): 28. Jan. 1935. (Abstract)
- MATTSON, S., and HESTER, J. B. The laws of soil colloidal behavior: XV. The degradation and the regeneration of the soil complex. *Soil Sci.* 39(1): 75-84. Jan. 1935.

New Mexico

- STROMAN, G. N., TAUBENHAUS, J. J., and EZEKIEL, W. N. Some effects of *Phymatotrichum* root rot on the microscopic characters of cotton fibers. *Phytopathology* 25(1): 126-130. Jan. 1935. (J. J. Taubenhause and W. N. Ezekiel, Texas Agr. Expt. Sta., cooperating)

New York (State)

- CONN, H. J. Progress in the standardization of stains: the certification of stains. *Stain Tech.* 9(4): 113-115; 10(1): 1-2. Oct. 1934, Jan. 1935.
- EINSET, O. Cross-pollination trials with bud mutations of the apple. *Die Gartenbauwissenschaft* 9(2): 157-158. 1934.
- HOFER, A. W. Moisture control in studies of symbiosis between rhizobia and legume plants. *Jour. Bact.* 29(1): 76-77. Jan. 1935. (Abstract)
- KERTESZ, Z. I. The determination of glucuronic and galacturonic acids by Bertrand's Method. *Jour. Biol. Chem.* 108(1): 127-129. Jan. 1935.
- PEDERSON, C. S. A study of *Lactobacillus plantarum* (Orla Jensen) Bergey. *Jour. Bact.* 29(1): 73. Jan. 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

New York (Cornell)

- BRONKHORST, J. J., and HALL, G. O. Hatchability studies. I. The physiology and chemistry of the blood of high and low hatching lines. Poultry Sci. 14(1): 42-45. Jan. 1935. (J. J. Bronkhorst, Cornell Univ.)
- BURKHOLDER, W. H., and Guterman, C. E. F. Bacterial leaf spot of carnations. Phytopathology 25(1): 114-120. Jan. 1935.
- CLEVENGER, L. C., and HALL, G. O. Head type in relation to annual egg production and egg weight. Poultry Sci. 14(1): 54-60. Jan. 1935. (L. C. Clevenger, Cornell Univ.)
- STARK, C. N. (With L. R. Curtis, Cornell Univ.) A critical study of some media used for the detection of colon organisms in water and milk. Jour. Bact. 29(1): 27-28. Jan. 1935. (Abstract)
- STARK, C. N., and ENGLAND, C. W. Formate ricinoleate broth - a new medium for the detection of colon organisms in water and milk. Jour. Bact. 29(1): 26-27. Jan. 1935. (Abstract)

North Dakota

- HARSHFIELD, G. S., and RODERICK, L. M. Avian tuberculosis of sheep. Jour. Amer. Vet. Med. Assoc. 85(5): 597-610. Nov. 1934.

Ohio

- BATCHELOR, H. W., and PASCHALL, A. H. The relationships between the biological activities and certain chemical constituents of muck. Jour. Bact. 29(1): 82-83. Jan. 1935. (Abstract)
- BUSHNELL, J. Sizing seed potatoes for planting whole. Amer. Potato Jour. 12(1): 19-21. Jan. 1935.

Oklahoma

- FOUTS, E. L., and WEAVER, E. A chart to aid in scoring milk flavor. Jour. Dairy Sci. 18(1): 51-54. Jan. 1935.
- WEAVER, E., KUHLMAN, A. H., and FOUTS, E. L. The effect of alfalfa hay on milk flavor. Jour. Dairy Sci. 18(1): 55-61. Jan. 1935.

Oregon

- DIMICK, R. E., and MOTE, D. C. The present status of the European earwig. West. Plant Quarantine Bd. Proc. 15-16(1933-1934): 298-299. 1934.
Issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.
- EDWARDS, W. D., GRAY, K., and MOTE, D. C. Observations on the life habits of *Cnephasia longana* Haw. West. Plant Quarantine Bd. Proc. 15-16(1933-34): 328-333. 1934.
Issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.
- ROAF, J. A., MOTE, D. C., and WIEMAN, J. S. Making holly safe for shipment. West. Plant Quarantine Bd. Proc. 15-16(1933-1934): 324-328. 1934.
Issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.
- ZELLER, S. M. Recent observations of strawberry diseases. West. Plant Quarantine Bd. Proc. 15-16(1933-1934): 314-320. 1934.
Issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Pennsylvania

- ANTHONY, R. D. Twenty-five years of orchard fertility studies. Mich. State Hort. Soc. Rpt. 63(1933): 59-62. 1934.
SPRAGUE, D. C. A vegetable seeder and cultivator for the one-plow tractor. Agr. Engin. 16(1): 20-22. Jan. 1935.

South Carolina

- WATTS, J. G. A new species and variety of Flesiothrips (Thripidae-Thysanoptera). Fla. Ent. 18(2): 24-27. June 1934.

South Dakota

- POTTER, V. R., and FRANKE, K. W. The effect of diet upon the blood thioneine of the albino rat. Jour. Nutrition 9(1): 1-10. Jan. 10, 1935.

Texas

- REINHARD, H. J. American muscoid flies of the genera Ceratomyiella and Paradidyma. U. S. Natl. Mus. Proc. 83(2973): 9-43. 1934.
STROMAN, G. N., TAUBENHAUS, J. J., and EZEKIEL, W. N. Some effects of Phymatotrachum root rot on the microscopic characters of cotton fibers. Phytopathology 25(1): 126-130. Jan. 1935. (G. N. Stroman, New Mexico, cooperating)
TAUBENHAUS, J. J., and EZEKIEL, W. N. The quality of lint and seed from cotton plants with Phymatotrichum root rot. Phytopathology 25(1): 104-113. Jan. 1935.

Utah

- BLOOD, H. L. The control of tomato bacterial canker (Aplanobacter michiganense E. F. S.) by fruit-pulp fermentation in the seed-extraction process. West. Plant Quarantine Bd. Proc. 15-16(1933-1934): 259-262. 1934.
Proceedings issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.
BRACKEN, A. F., and CARDON, P. V. Relation of precipitation to moisture storage and crop yield. Jour. Amer. Soc. Agron. 27(1): 8-20. Jan. 1935.
KNOWLTON, G. F. A big-eyed bug predator of the potato psyllid. Fla. Ent. 18(3): 40-43. Nov. 1934.
RICHARDS, B. L. Bacterial wilt of alfalfa. West. Plant Quarantine Bd. Proc. 15-16(1933-1934): 256-259. 1934.
Proceedings issued as Calif. Dept. Agr. Mo. Bul. 23(10-11). Oct.-Nov. 1934.

Virginia

- DRINKARD, A. W., jr. Progress in horticultural research. Va. State Hort. Soc. Proc. 39(1934): 116-118. [1935]
GROVES, A. B. Fungicides in relation to scab control and spray russet. Va. State Hort. Soc. Proc. 39(1934): 100-196. [1935]
HOUGH, W. S. Codling moth sprays and problems connected with removal of the residues. Va. State Hort. Soc. Proc. 39(1934): 165-168. [1935]
HURT, R. H. Our peach spray program. Va. State Hort. Soc. Proc. 39(1934): 90-95. 1935.
STARR, I. E., and STIDER, G. E. Serologic relationship of Brucella and Pasteurella. Jour. Infectious Diseases 55(3): 384-389. Nov.-Dec. 1934.
WINGARD, S. A. Black plague of apple and its path of destruction. Va. State Hort. Soc. Proc. 39(1934): 142-146. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

West Virginia

GARBER, R. J., and HOOVER, M. M. Influence of corn smut and hail damage on the yield of certain first-generation hybrids between synthetic varieties. Jour. Amer. Soc. Agron. 27(1): 38-45. Jan. 1935.

Wisconsin

BEACH, B. A., and HUMPHREY, G. C. Observations on the reinfection with Br. abortus of part of a dairy herd that had been infected five years previously. Vet. Med. 30(1): 10-11. Jan. 1935.

BEACH, B. A., and HUMPHREY, G. C. The presence of Br. abortus in the uterine fluid and in the milk and of agglutinins in the blood sera of so-called ceased reactor cows. Vet. Med. 30(1): 8-10. Jan. 1935.

BELL, F. N. A microfilaria in the blood of cattle. Jour. Amer. Vet. Med. Assoc. 85(6): 747-759. Dec. 1934.

BRINK, R. A., and COOPER, D. C. A proof that crossing over involves an exchange of segments between homologous chromosomes. Genetics 20(1): 22-35. Jan. 1935.

HADLEY, F. B. (With F. L. KOTELKA, Univ. Wis.) Antidotes for hydrocyanic acid poisoning. Vet. Med. 30(2): 79-81. Feb. 1935.

JOHNSON, M. J., and Peterson, W. H. The proteinase and aminopolypeptidase of Aspergillus parasiticus. Jour. Bact. 29(1): 90. Jan. 1935. (Abstract) (M. J. Johnson, Univ. Wis.)

KEENAN, J. A. [and others] The stability of vitamins B(E₁), G(B₂) and B₄. Jour. Nutrition 9(1): 63-74. Jan. 10, 1935.

LANGLYKKE, A. F., and FRED, E. B. Products from the fermentation of glucose and arabinose by butyric acid anaerobes. Jour. Bact. 29(1): 86-87. Jan. 1935. (Abstract) (A. F. Langlykke, Univ. Wis.)

MCCARTER, J., and HASTINGS, E. G. The relation between the oxidation-reduction potential of the medium and the dissociation of an acid-fast organism. Jour. Bact. 29(1): 15. Jan. 1935. (Abstract) (J. McCarter, Univ. Wis.)

MCCLUNG, L. S., and MCCOY, E. Heat labile and heat stable antigens in the production of agglutinins for various spore-bearing anaerobes. Jour. Bact. 29(1): 59-60. Jan. 1935. (Abstract) (L. S. McClung, Univ. Wis.)

MCCOY, E. (With L. S. McClung, Univ. Wis.) Application of the H-O technique of agglutination to certain Clostridia. Jour. Bact. 29(1): 59. Jan. 1935. (Abstract)

NORTH, G. C., and SOMMER, H. H. Electrokinetics in relation to dairy phenomena. I. Theory and method. Jour. Dairy Sci. 18(1): 21-43. Jan. 1935.

PETERSON, W. H. [and others] The preparation and nutritive value of A.I.V. silage for dairy cows. Jour. Dairy Sci. 18(1): 63-78. Jan. 1935.

PETERSON, W. H. (With L. S. McClung and H. R. BIRD, Univ. Wis.) Some bacteriological and chemical aspects of A. I. V. silage. Jour. Bact. 29(1): 84. Jan. 1935. (Abstract)

REID, J. J., FRED, E. B., and BALDWIN, O. L. The effects of storage on rhizobia. Jour. Bact. 29(1): 75-76. Jan. 1935. (Abstract)

TATUM, E. L., and PETERSON, W. H. The effect of asparagin and related compounds on certain butyric acid fermentations. Jour. Bact. 29(1): 87-88. Jan. 1935. (Abstract) (E. L. Tatum, Univ. Wis.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Wisconsin (continued)

- WENCK, P. R., GREENE, H. C., and FRED, E. B. Factors influencing growth and sterol production of *Aspergillus fischeri*. Jour. Bact. 29(1): 89-90. Jan. 1935. (Abstract) (P. R. Wenck and H. C. Greene, Univ. Wis.)
- WILSON, P. W. The carbohydrate-nitrogen relationship in symbiotic nitrogen fixation. Jour. Bact. 29(1): 82. Jan. 1935. (Abstract)

-o-o-o-o-o-o-o-

BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Committee on government statistics and information services. Abstracts and annotations of materials dealing chiefly with the United States Census of manufactures. Aug. 1934. Washington, D. C., 1934. Mimeographed.
- Trial bibliography on the improvement of statistical data. Aug. 1934. Washington, 1934. Mimeographed.
- Ouchi, Yoshio. Bibliographical introduction to the study of Chinese insects. Shanghai science institute. Journal. Section 3, v. 2, p. 1-533. Entomological report no. 1.
- U. S. Office of education. Publications from western European countries on the education and welfare of young children, obtained by Mary Dabney Davis, specialist in nursery-kindergarten-primary education March 15 to July 1, 1934, with additions recently received. Washington, 1934. 43 p. Mimeographed.
- University of Nanking. Agricultural index, 1858-1931. Nanking, China, 1933. This subject index, mainly in Chinese, includes an English section of about 160 pages, covering the period from 1858 to 1931 and including 36 English publications and 19 Chinese publications occasionally containing articles written in other languages. Over 6,000 entries are included.

U. S. Department of Agriculture

Bureau of Agricultural Economics.

Consumption of fruits and vegetables in the United States. An index to some sources of statistics. Comp. by Mamie I. Herb, Library, Bureau of Agricultural Economics. Jan. 1935. 125 p. (Agricultural Economics Bibliography No. 56)

List of periodicals containing prices and other statistical and economic information on fruits, vegetables and nuts. Comp. by Esther M. Colvin, Library, Bureau of Agricultural Economics. Jan. 1935. 238 p. (Agricultural Economics Bibliography No. 55)

Measures of major importance enacted by the 73d Congress March 9 to June 16, 1933 and January 3 to June 18, 1934. Comp. by Vajen E. Hitz, Library, Bureau of Agricultural Economics. Nov. 1934. 55 p. (Agricultural Economics Bibliography No. 54)

Supplement to foreign competition with American cotton; selected list of recent references (1932-1934) in English. Comp. by Emily L. Day, Library, Bureau of Agricultural Economics. Dec. 17, 1934. 3 p. Typewritten.

-o-o-o-o-o-o-o-

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1935*

Alabama

- Growing hairy vetch and Austrian winter peas for soil improvement. J. C. Lowery and J. B. Wilson. (Ala. Poly. Inst. Ext. Circ. 115, rev.) Auburn, 1934.
- Clothing for health, first year clothing project. D. Dean. (Ala. Poly. Inst. Ext. Circ. 117, rev.) Auburn, 1934.
- References, p. 72.
- Terracing in Alabama. A. Carnes and J. B. Wilson. (Ala. Poly. Inst. Ext. Circ. 148.) Auburn, 1934.
- Unit II, foods and nutrition. Demonstration VII: The overweight and the underweight. Demonstration VIII: Special diets. H. Kennedy. (Ala. Poly. Inst. Ext. Demon. Ser. 1D, reprinted [i. e. rev.]) Auburn, 1934.
- Unit III, women, Clothing for the family. Demonstration: Getting the most for your money in clothes. D. Dean. (Ala. Poly. Inst. Ext. Demon. Ser. 9I.) Auburn, 1934.
- Unit II. General care and renovation of clothes. Demonstration: Cleaning and storing clothes. D. Dean. (Ala. Poly. Inst. Ext. Demon. Ser. 10A, rev.) Auburn, 1934.
- Unit II. General care and renovation of clothes. Demonstrations: Homemade hat blocks; keeping your hats up-to-date. D. Dean. (Ala. Poly. Inst. Ext. Demon. Ser. 10B, reprinted [i. e. rev.]) Auburn, 1934.
- Unit II, General care and renovation of clothes. Demonstration: Clothes clinic for women (coats and dresses with accessories) D. Dean. (Ala. Poly. Inst. Ext. Demon. Ser. 10C [rev.]) Auburn, 1934.
- Unit II. General care and renovation of clothes. Demonstration: Clothes clinic for children (coats, dresses, suits with accessories) D. Dean. (Ala. Poly. Inst. Ext. Demon. Ser. 10D [rev.]) Auburn, 1934.
- Unit II. General care and renovation of clothes. Demonstration: Tinting and dyeing garments. D. Dean. (Ala. Poly. Inst. Ext. Demon. Ser. 10E.) Auburn, 1934.
- Unit II. General care and renovation of clothes. Demonstration: Making clothes last (laundering and stain removal) D. Dean. (Ala. Poly. Inst. Ext. Demon. Ser. 10F.) Auburn, 1934.
- References, p. 16.
- Foods and nutrition, demonstration: Raising the standard of bread, biscuits, pastry, cakes. H. Kennedy. (Ala. Poly. Inst. Ext. Demon. Ser. 13D, rev.) Auburn, 1934.
- Foods and nutrition, demonstration: Food buying. H. Kennedy. (Ala. Poly. Inst. Ext. Demon. Ser. 13G.) Auburn, 1934.
- Foods and nutrition, demonstration: The school lunch: The lunch box; the lunch with one hot dish. H. Kennedy. (Ala. Poly. Inst. Ext. Demon. Ser. 14G.) Auburn, 1934.
- Foods and nutrition, demonstrations: Feeding and care of the infant; feeding and care of the child (one to six) H. Kennedy. (Ala. Poly. Inst. Ext. Demon. Ser. 16A.) Auburn, 1934.
- Foods and nutrition, demonstration: Entertaining in the home: The buffet spread; the afternoon tea. H. Kennedy. (Ala. Poly. Inst. Ext. Demon. Ser. 17A.) Auburn, 1934.
- Home management. Demonstration: Homemade furniture. N. Pickens. (Ala. Poly. Inst. Ext. Demon. Ser. 18A.) Auburn, 1934.
- Home management. Demonstration: Renovation of furniture. N. Pickens. (Ala. Poly. Inst. Ext. Demon. Ser. 18B.) Auburn, 1934.

*Prepared in Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1935

Alabama (continued)

- Home management. Demonstration: Storage spaces. N. Pickens. (Ala. Poly. Inst. Ext. Demon. Ser. 18C.) Auburn, 1934.
- Home management. Demonstration: Home and community recreation. N. Pickens. (Ala. Poly. Inst. Ext. Demon. Ser. 18D.) Auburn, 1934.
- Home management. Demonstration: Standards in furniture selection. N. Pickens. (Ala. Poly. Inst. Ext. Demon. Ser. 18E.) Auburn, 1934.
- A combination farm poultry and brooder house. H. R. Bailey and J. B. Wilson. (Ala. Poly. Inst. Ext. Pamphlet 4.) Auburn, 1934.

California

- The 1935 agricultural outlook for California. D. W. Smythe and others. (Calif. Agr. Col. Ext. Circ. 90.) Berkeley, 1934.
- Contribution from the Giannini Foundation of agricultural economics

Colorado

- Judging livestock. B. W. Fairbanks and others. (Colo. Agr. Col. Ext. Bul. 265-A, rev.) Fort Collins, 1934.
- Production and feeding lambs (for Colorado sheep club members) L. H. Rochford and E. J. Maynard. (Colo. Agr. Col. Ext. Bul. 295-A, rev.) Fort Collins, 1934.
- Grow your own vegetables. A. M. Binkley. (Colo. Agr. Col. Ext. Bul. 311-A, rev.) Fort Collins, 1934.
- Produce clean cream. W. R. Freeman and C. A. Smith. (Colo. Agr. Col. Ext. Circ. 63, rev.) Fort Collins, 1934.

Idaho

- How to control grasshoppers. W. E. Shall. (Idaho Agr. Col. Ext. Bul. 80, rev.) Moscow, 1934.

Illinois

- Agricultural outlook for Illinois, 1935. (Ill. Agr. Expt. Sta. Circ. 426.) Urbana, 1934.

Indiana

- Twenty-third annual report of Purdue University, Department of agricultural extension, Lafayette, Indiana, July 1, 1933 to June 30, 1934. J. H. Skinner. Purdue Univ., Dept. Agr. Ext. [unnumbered] Lafayette, 1934.

Kansas

- Farm commodity outlook in Kansas for the winter and spring of 1934 and 1935. B. W. Wright and others. (Kans. State Coll. Ext. Circ. 108.) Manhattan, 1934.
- Monetary policy and production control. B. W. Wright and R. M. Green. (Kans. State Coll. Ext. Circ. 109.) Manhattan, 1934.

Kentucky

- Clothing, unit IV. The 4-H club girl's street or travel costume. A. Burnam and E. Lacy. (Ky. Agr. Col. Ext. Circ. 255 [rev.]) Lexington, 1934.

Maine

- 4-H club leaders' manual. (Maine Agr. Col. Ext. Bul. 144, rev.) Orono, 1934.
- Producing and handling quality eggs. H. L. Richardson and J. R. Smyth. (Maine Agr. Col. Ext. Bul. 156, rev.) Orono, 1934.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1935

Maine (continued)

- Vegetable growing in Maine. R. M. Riley. (Maine Agr. Col. Ext. Bul. 203, reprint [i.e. rev.]) Orono, 1934.
- Annual report of Maine Extension service, year ending June 30, 1934. A. L. Deering. (Maine Agr. Col. Ext. Bul. 213.) Orono, 1934.
- Summary of Maine home accounts, 1933-34, Maine Agr. Col. Ext. [unnumbered] Orono [1934]
- Mimeographed.

Massachusetts

- The Massachusetts farm outlook for 1935. (Mass. State Col. Ext. Farm Econ. Facts v. 7, no. 11.) Amherst, 1934.

Minnesota

- Effects of feeding iodine to laying hens. E. A. Johnson. (Minn. Univ. Agr. Ext. Folder 51.) University Farm, St. Paul, 1934.
- Agricultural outlook and farm family living outlook in Minnesota for 1935. (Minn. Univ. Agr. Ext. Pamphlet 35.) University Farm, St. Paul, 1935.
- The trend in the use of electricity on the farm. J. Rommess. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 33.) University Farm, St. Paul, 1934.

Missouri

- Poultry I. The 4-H baby chick club. B. Winton and T. T. Martin. (Mo. Agr. Col. Ext. 4-H Club Circ. 31, rev.) Columbia, 1934.

New Mexico

- New Mexico agricultural outlook, 1935. (N. Mex. Agr. Col. Ext. Circ. 134.) State College, 1934.

North Carolina

- The farm and home garden manual. E. B. Morrow. (N. C. Agr. Col. Ext. Circ. 123, rev.) State College Station, Raleigh, 1934.
- Common diseases of poultry. R. S. Dearstyne and H. C. Gauger. (N. C. Agr. Col. Ext. Circ. 154, rev. and reprint [i.e. rev.]) State College Station, Raleigh, 1934.
- Lespedeza in North Carolina. E. C. Blair. (N. C. Agr. Col. Ext. Circ. 195, rev.) State College Station, Raleigh, 1934.
- Fertilizer and lime recommendations for vegetable crops in North Carolina. E. B. Morrow and others. (N. C. Agr. Col. Ext. Circ. 199.) State College Station, Raleigh, 1934.
- Producing quality cream. J. A. Frey. (N. C. Agr. Col. Ext. Circ. 203.) State College Station, Raleigh, 1934.
- Broiler production manual and record book for 4-H club members. C. F. Parrish. (N. C. Agr. Col. Ext. Misc. Pamphlet 13.) State College Station, Raleigh, 1934.
- Durable floor finishes. H. N. Estabrook. (N. C. Agr. Col. Ext. Misc. Pamphlet 14.) State College Station, Raleigh, 1934.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1935.

(continued)

Pennsylvania

Tomatoes. J. M. Huffington. (Penn. State Col. Ext. Leaflet 27.) State College, 1934.

Insect control recommendations prepared by H. E. Hodgkiss.

Bean culture. J. M. Huffington. (Penn. State Col. Ext. Leaflet 28.) State College, 1934.

Insect control recommendations by H. E. Hodgkiss.

Cabbage. W. B. Nissley. (Penn. State Col. Ext. Leaflet 29.) State College, 1934.

Insect control recommendations prepared by H. E. Hodgkiss.

Cucumbers and melons. W. B. Nissley. (Penn. State Col. Ext. Leaflet 30.) State College, 1934.

Insect control recommendations prepared by H. E. Hodgkiss.

Onions. W. B. Nissley. (Penn. State Col. Ext. Leaflet 31.) State College, 1934.

Insect control recommendation prepared by H. E. Hodgkiss.

South Carolina

Paralysis in poultry. P. E. Gooding. (Clemson Agr. Col., S.C., Ext. Circ. 136.) Clemson College, 1935.

Utah

Arrangement and planning of home grounds. E. Hansen. (Utah Agr. Col. Ext. Circ. 4, rev.) Logan, 1934.

Whys and hows of liver. E. Miller. (Utah Agr. Col. Ext. Circ. 46 [rev.]) Logan, 1934.

Safe home practices for food preservation. E. Miller. (Utah Agr. Col. Ext. Circ. 63[rev.]) Logan, 1934.

Virginia

The why and whither of the AAA. J. R. Hutcheson. (Va. Agr. Col. Ext. Bul. 135.) Blacksburg, 1934.)

Washington

School lunches. (Wash. State Col. Ext. Bul. 198.) Pullman, 1934.

Canning meat, poultry and fish. R. Russell. (Wash. State Col. Ext. Bul. 199.) Pullman, 1934.

West Virginia

Dimes and dollars day by day. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. III, Lesson no.1, Adventures in Better Living.) Morgantown, [1935?]

Spending our clothing money wisely. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. III, Lesson no.2, Adventures in Better Living.) Morgantown, [1935?]

Wisconsin

The market for mid-western potatoes. H. H. Bakken. (Wis. Agr. Col. Ext. Circ. 272.) Madison, 1934.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during January 1935, exclusive of bibliographies* and current
issues of serials.**

Office of the Secretary

Agricultural adjustment - some problems ahead. By M. L. Wilson. An address delivered at the annual farm and home week at the College of Agriculture, University of Illinois, Jan. 18, 1935. 19 p.

More abundant living. Abstract of talk by Mordecai Ezekiel before National council of teachers of English, Nov. 29, 1934. 7 p.

The progressive tradition. Address of Rexford G. Tugwell, Union college, Schenectady, N. Y., Jan. 25, 1935. 21 p.

Price inflexibility and the requirements of a stabilizing monetary policy. Address of Gardiner C. Means before the American statistical association at Chicago, Illinois, Dec. 27, 1934. 17 p.

Agricultural Adjustment Administration

Basic questions and answers on agricultural adjustment. 1935. 2 parts.

The consumer's place in the organization of the new deal. Address of Thomas C. Blaisdell, Jr., before American statistical association, Chicago, Illinois, Dec. 29, 1934. 10 p.

Functions and responsibilities of the county control associations. Speech by Claude R. Wickard at Farmers and homemakers week, St. Paul, Minnesota, Jan. 17, 1935. 10 p.

Informing the public about the A.A.A. Remarks of Alfred D. Stedman at a round table on public relations of Federal administrative agencies at the annual convention of the American political science association, Chicago, Dec. 27, 1934. 20 p.

A resume of executive orders and proclamations pertaining to A.A.A. and agriculture generally, Jan. 1, 1933 - Jan. 1, 1935. 1935. 9 p.

Some approaches to agricultural adjustment as applied to potatoes in the United States. Prepared at the request of the Potato program development committee. By E. W. Braun and H. A. Richardson. 1935. 6 p. (Issued by General crops section)

What is ahead for wheat? Speech by Chester C. Davis, before Kansas agricultural convention, Topeka, Kansas, Jan. 11, 1935. 14 p.

Working toward stability for the dairy industry. Adapted from address of A. H. Lauterbach before National cooperative milk producers' federation, Syracuse, N.Y., Nov. 13, 1934. 5 p. (Discussion statement no. 13)

*Bibliographies included in general list of bibliographies on page

**For a list of the principal series issued regularly, see v. 9, no.10,p.354

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Bureau of Agricultural Economics

- Current problems in farm insurance. By V. N. Valgren. 1934. 9 p. Address, Farm group meeting, Annual convention national association mutual insurance companies, Savannah, Ga., Nov. 13, 1934. (Issued by Division of agricultural finance)
- Direct marketing of hogs: summary, conclusion and recommendations. 1935. 45 p.
- Approximate or average weights of various commodities. 1935. 4 p. (Issued by Division of statistical and historical research)
- Demand, credit prices outlook charts, for use with the Agricultural outlook for 1935. 1934. 28 p.
- Fruits: apples, citrus, peaches, etc., outlook charts for use with the Agricultural outlook for 1935. 1934. 41 p.
- Hog outlook charts for use with the Agricultural outlook for 1935. 1934. 21 p.
- Hay inspectors manual. Interpretation and application of the U. S. standards for hay and straw and the rules and regulations governing inspection of hay and straw. 1934. 118p. (Issued by Hay, feed and seed division)
- List of agricultural outlook charts, 1934-1935. 1934. 26 p.
- Summary of federal and state laws pertaining to containers for fruits and vegetables. 1935. 22 p.
- Technical terms of the wool market. By Warner M. Buck. 1935. 6 p. (Issued by Division of livestock, meats and wool)
- The way of empire in the United States. By E. E. Edwards. 1935. 10 p.

Bureau of Chemistry and Soils

- Alcoholic citrus beverages under present regulations. 1934. 3 p.

Bureau of Entomology and Plant Quarantine

- Report on status of the European corn borer in 1934. 1934. 9 p. (Issued by Division of cereal and forage insects)
- The status of white pine blister rust control. Presented by S. B. Fracker at conference, Washington, D. C., Dec. 3, 1934. 20 p.
- Unlimited entry of foreign narcissus bulbs authorized, effective December 15, 1936. 1935. 3 p.

Extension Service

- 1935 farm family living outlook charts. 1934. 4 p. (Issued by Division of cooperative extension)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Forest Service

Wild life management and the national forests. By F. A. Silcox. 1935. 8 p.
Address delivered before the 21st annual game conference at New York City,
Jan. 23, 1935.

Bureau of Home Economics

Sound buying methods for consumers. By Ruth O'Brien. 1934. 11 p. Read at
American marketing society, Dec. 1, 1934.

Standards for consumers' goods. By Ruth O'Brien, 1934. 13 p. Talk given
at Boston conference on distribution, Sept. 25, 1934.

Bureau of Plant Industry

House plants. By Furman Lloyd Mulford. 1935. 8 p.

New varieties and strains of vegetables. By Roy Magruder. 1934. 18 p. A talk
given before the annual convention of the Vegetable growers' association of
America at Toronto, Ontario, Canada, August 21, 1934, and reprinted with the
Association's permission. (Issued by the Division of fruit and vegetable
crops and diseases)

Papaya culture. By T. Ralph Robinson. 4 p. (Issued by Division of fruit and
vegetable crops and diseases)

Pasturing alfalfa with cattle and sheep in the western United States. By Stephen
H. Hastings. 1935. 16 p.

Quality data for winter-wheat varieties in cooperative plot and nursery experi-
ments in the hard red winter-wheat region in 1932 and 1933. By C. C. Fifield
and K. S. Quisenberry. 1934. 29 p. (Issued by Division of cereal crops and
diseases)

Types or classes of bread characteristics. By C. C. Fifield. 1935. 4 p.
The work herein reported conducted cooperatively with the Milling, baking and
chemical laboratory of the Grain division, Bureau of agricultural eco-
nomics.

Bureau of Public Roads

Broadening the highway program. By Thos. H. MacDonald. 1935. 10 p. Paper read
at 32d annual convention, American road builders' association, Washington, D.C.
Jan. 22, 1935.

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A LIBRARY OF EXCEPTIONAL INTEREST TO GARDEN LOVERS

The following article by Mrs. Charles W. Bosworth, of the Garden Club of Cincinnati, is taken from the Bulletin of The Garden Club of America, January, 1935.

"In the midst of the hurly burly of Cincinnati's wholesale commission district stand two dignified buildings, the Lloyd Library and the Lloyd Museum, sanctuaries for the research student.

The Lloyd Library, housing some 60,000 volumes, is unique, the only one of its kind in this country and possibly in the world. It specializes in books on botany, pharmacy, and materia medica, being especially rich in books pertaining to the American Eclectic School of Medicine. It includes also books on astronomy, geology, paleontology, some 2,000 pamphlets on insects, 400 on birds and 200 on gardens and gardening.

To cross the threshold is to enter the land of romance, where one comes in touch with the beauty and things of interest in other countries as well as one's own. Here one can browse over the 1,000 or more monthly publications from every part of the world and in almost every language.

The lover of old editions finds himself in a paradise. There is a bibliographical rarity (two editions) - the *Historia Pinæus*, issued in two volumes, one in 1561 and one in 1567, which appear to be the first attempt at the reproduction of colored plates. Plants that were rare at that time are colored by hand, then have a glossy fixative spread over them, causing the colors to be as bright and fresh as the day they were laid on.

The botanist Linnaeus is represented by fifty or more volumes which Mr. Lloyd has spent years in collecting in Europe and America.

There is a very rare book containing plates of the plants of Germany only, dated June 1820, "from Mj. Gane to Dr. O. D. Norton," thought to be the first book of botanical plates ever brought to Cincinnati. The plates seem to be done in colors that do not fade, appearing as clear as they probably did when they were brought over more than a century ago, doubtless in a sailing vessel.

One of the valued editions of the pharmaceutical works of Claudius Galen was this great Greek physician, born A. D. 130, who so influenced the practice of medicine for fully twelve centuries. His books were translated in the eleventh century and used in the Spanish schools of Cordova, Seville, Toledo, and Sargasso. To him the Arabian schools went for their knowledge until the advent of the noted Damascenus Mesue who lived A. D. 928-1016. Mesue is represented by an unpagged volume assembled by Nicolaus de Salerno. It bears the title *Canones Universale*, and on the last page the date, July 15, 1513.

This volume contains 139 complex prescriptions arranged in alphabetical order, also the formula for the anesthetic sponge, the sponge producing sleep.

There are countless fascinating old world editions, and an outstanding work known to flower lovers since 1793 as the *Botanical Magazine or Flower Garden*, in which the most ornamental plants cultivated in the open ground, the greenhouse, or the stove, are accurately represented in their natural colors. The colors are as delicate as the day they left the press in 1793. There are 110 of these volumes.

There are many early American books on American pharmaceutical and botanical subjects. One particularly interesting is an original copy of *The Indian Doctor's Dispensary*, being Father Smith's advice respecting Diseases and their Cure, by Peter Smith "of the Miami Country", published at Cincinnati in 1813.

A LIBRARY OF EXCEPTIONAL INTEREST TO GARDEN LOVERS
(continued)

Among the many volumes on Japanese flora are twenty-two of rice paper, bound in yellow and stitched in silk. All the leaves are delicately tinted by those exquisite flower painters, the Japanese.

The collection of Spanish flora is the best extant, and the story goes that a man, writing a treatise on lilies, asked where in South Africa he could obtain information on their native lilies, only to be told that the most exhaustive information could be found in the Lloyd Library.

It is thrilling to know the amount of varied research undertaken there. On one of my visits a man from an Eastern chocolate manufacturing concern was doing commercial research on the cocoa bean. On another, a telephone lineman had brought in four different kinds of rot which he had found on the telephone poles, and which he wanted identified, which was done immediately. Many of the students from the Medical College find material for their graduating theses. At one time Professor Flueckiger, the noted German Pharmacologist and Chemist, President Emeritus of the University of Strassburg, while on a trip to the States, availed himself of the rich collection in the Lloyd Library to complete his study of drug history.

The museum or herbarium contains 30,000 specimens and is now the Phaenogamic Herbarium of the Library. It represents the life work of one of the brothers, Curtis Gates Lloyd, who collected in every civilized country of the globe. His specimens from Samoa are very rare. His collection was added to by Professor Walter H. Aiken, now the distinguished Curator of the Museum and Library.

The Library's start is represented by a book-case, 4 feet by 6-1/2 feet, which was in the home of John Uri Lloyd, then an apprentice in pharmacy in Cincinnati in 1864. Mr. John Uri Lloyd, aside from his voluminous contributions to the scientific world of writing, is better known to the layman for his books, Stringtown-on-the-Pike, Red Head, the mystical Etidorpha, or the End of the Earth, and the charming Right Side of the Car.

Mr. John Uri Lloyd and his brother, Nelson Ashley Lloyd, founded the house of "Lloyd Bros. Pharmacists, Inc." They have dealt principally in the medicinal properties extracted from plants and herbs. It was thus that as an aid to pharmacy this wonderful library was created, which has grown to the amazing establishment of today, an endowed institution open to all seekers after plant knowledge."

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COMMUNITY LIBRARIES AND HOME READING

The American Library Association, 520 North Michigan Avenue, Chicago, Illinois, has for limited distribution to those especially interested, mimeographed copies of a summary of agricultural extension projects in "Community libraries and home reading". This summary was prepared by the Extension Studies and Teaching Section of the Division of Cooperative Extension, Extension Service, U. S. Department of Agriculture.

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LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE

This list includes (1) the libraries of the land-grant colleges and universities and the state experiment stations, (2) the libraries of the U. S. Department of Agriculture, and (3) miscellaneous libraries. Names of librarians are given in so far as known. Additions to these lists, and corrections, will be gratefully received.

1. Land-grant Colleges and Universities and Experiment Stations

ALABAMA

Alabama Polytechnic Institute, Auburn. Miss Mary E. Martin, Librarian.
Alabama Agricultural Experiment Station, Auburn.
State Normal and Mechanical Institute for Negroes, Norma. Miss Lucile A. Love, Librarian.
Agricultural School and Agricultural Experiment Station, Tuskegee
Normal and Industrial Institute, Tuskegee Institute. Mr. W. B. Williams, Librarian.

ARIZONA

University of Arizona, Tucson. Mr. R. H. Gjelsness, Librarian.

ARKANSAS

University of Arkansas, Fayetteville. Miss Julia Vaultx, Librarian.
College of Agriculture, University of Arkansas, Fayetteville.
Miss Margaret Gallaway, Librarian.

CALIFORNIA

Agricultural Reference Service, University of California, Berkeley.
Mrs. Aileen J. Katsky, in charge.
University of California, Berkeley. Mr. Harold L. Leupp, Librarian.
College of Agriculture, University Farm, Davis. Miss Nelle U. Branch, Librarian.
Citrus Experiment Station, Riverside. Miss Margaret Buvens, Librarian.
Giannini Foundation of Agricultural Economics, University of California, Berkeley. Miss Orpha Cummings, Librarian.
Life Sciences, Life Science Building, University of California, Berkeley, Mrs. M. J. Abbott, Librarian.

COLORADO

State College of Agriculture, Fort Collins. Miss Charlotte A. Baker, Librarian

CONNECTICUT

Connecticut State College, Storrs, Conn. Paul Alcorn, Librarian
Connecticut State Agricultural Experiment Station, New Haven.
Miss L. M. Brautlecht, Librarian.
Storrs Agricultural Experiment Station, Storrs. Miss Betty Porter, Librarian.

DELAWARE

University of Delaware, Newark. Mr. William D. Lewis, Librarian.
Agricultural Experiment Station, University of Delaware, Newark.
Miss Freda E. Ritz, Librarian.
State College for Colored Students, Dover. Mrs. Nell C. Jefferson, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE
(continued)

FLORIDA

University of Florida, Gainesville, Miss Cora Miltimore, Librarian.
Agricultural Experiment Station, University of Florida, Gainesville.
Mrs. Ida K. Cresap, Librarian.
Florida Agricultural and Mechanical College for Negroes, Tallahassee.
Miss Jennie E. Baker, Librarian.

GEORGIA

College of Agriculture, University of Georgia, Athens. Miss Nelle M. Reese, Librarian.
Georgia Experiment Station, Experiment. Miss Sarah L. Kilpatrick, Librarian.
Georgia Coastal Plain Experiment Station, Tifton. Mrs. Jessie Lee Stephens. Librarian.

IDAHO

University of Idaho, Moscow. Miss Mary B. Sweet, Librarian.

ILLINOIS

University of Illinois, Urbana. Mr. P. L. Windsor, Librarian
College of Agriculture, University of Illinois, Urbana. Miss Mary G. Burwash, Librarian.

INDIANA

Purdue University, Lafayette. Mr. Wm. M. Hopburn, Librarian.
Agricultural Experiment Station, Purdue University, Lafayette.
Miss Ivor E. Sempill, Librarian.

IOWA

Iowa State College of Agriculture and Mechanic Arts, Ames.
Mr. Charles H. Brown, Librarian.

KANSAS

Kansas State College of Agriculture and Applied Science, Manhattan.
Mr. Arthur B. Smith, Librarian.

KENTUCKY

University of Kentucky, Lexington. Miss Margaret I. King, Librarian.
Agricultural Experiment Station, University of Kentucky, Lexington.
Miss Grace L. Snodgrass, Librarian.
Kentucky State Industrial College, Frankfort. Miss Ann Rucker, Librarian.

LOUISIANA

Hill Memorial Library, Louisiana State University and Agricultural and Mechanical College, University Station, Baton Rouge. Mr. James H. McMillon, Librarian.
Agricultural Experiment Station, Baton Rouge. Mrs. A. H. Meyer, Librarian.
Southern University, Scotlandville. Miss Camille S. Shade, Librarian.

MAINE

University of Maine, Orono. Mr. Louis T. Ibbotson, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE (Continued)

MARYLAND

University of Maryland, College Park. Miss Grace L. Barnes, Librarian.

MASSACHUSETTS

Massachusetts State College, Amherst. Mr. Basil B. Wood, Librarian.

Marine Biological Laboratory, Woods Hole, Mass. Mrs. T. H. Montgomery, jr.
Librarian.

MICHIGAN

Michigan State College, East Lansing. Mr. J. E. Towne, Librarian.

MINNESOTA

University of Minnesota, Minneapolis. Mr. Frank K. Walter, Librarian.

Department of Agriculture, University of Minnesota, University Farm,
St. Paul. Miss Harriet W. Sewall, Librarian.

MISSISSIPPI

Mississippi State College, State College. Miss Nannie H. Rice, Librarian.
Alcorn Agricultural and Mechanical College, Alcorn. Mrs. Ruby L. Lyells,
Librarian.

Mississippi Experiment Station, State College.

MISSOURI

University of Missouri, Columbia. Mr. Henry O. Severance, Librarian.

College of Agriculture, University of Missouri, Columbia. Miss Jane
Frodsham, Librarian.

Missouri State Fruit Farm and Experiment Station, Mountain Grove.

MONTANA

Montana State College of Agriculture and Mechanic Arts, Bozeman.

Mrs. Lois B. Payson, Librarian.

NEBRASKA

University of Nebraska, Lincoln. Mr. Gilbert H. Doane, Librarian.

College of Agriculture, University of Nebraska, Lincoln. Miss Edna C.
Noble, Librarian.

NEVADA

University of Nevada, Reno. Miss Thea C. Thompson, Librarian.

College of Agriculture and Agricultural Experiment Station, Reno.

Miss Gola Mae Johnson, Librarian.

NEW HAMPSHIRE

University of New Hampshire, Durham. Mr. M. A. Miller, Librarian.

NEW JERSEY

Rutgers University, New Brunswick. Mr. George A. Osborn, Librarian.

New Jersey Agricultural Experiment Station, New Brunswick.

Miss Elizabeth G. Skillman, Librarian.

NEW MEXICO

New Mexico College of Agriculture and Mechanic Arts, State College.

Miss Lottie S. Peters, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE (continued)

NEW YORK

- Cornell University, Ithaca, N. Y. Mr. Otto Kinkeldey, Librarian.
New York State College of Agriculture, Ithaca, Mr. Willard W. Ellis,
Librarian.
New York State Agricultural Experiment Station, Geneva. Miss Marjorie E.
Rogers, Librarian.
New York State College of Forestry at Syracuse University, Forest
Library, Eleanor Church, Librarian.

NORTH CAROLINA

- University of North Carolina, Chapel Hill. Mr. Robert B. Downs, Librarian.
North Carolina State College of Agriculture and Engineering, State
College Station, Raleigh. Mr. W. P. Kellam, Librarian.
The Negro Agricultural and Technical College, Greensboro, North Carolina.
Miss Florence L. Byrd, Librarian.

NORTH DAKOTA

- North Dakota Agricultural College and Experiment Station, State College
Station, Fargo. Mrs. Ethel McVeety, Librarian.

OHIO

- Ohio State University, Columbus. Mr. Earl N. Manchester, Librarian.
Ohio Agricultural Experiment Station, Wooster. Miss Emma J. Collins,
Librarian.

OKLAHOMA

- Oklahoma Agricultural and Mechanical College, Stillwater.
Mr. Icko Iben, Librarian.
Oklahoma Agricultural Experiment Station, Stillwater. Miss Velma
Harned, Librarian.

OREGON

- Oregon State Agricultural College, Corvallis. Miss Lucy M. Lewis,
Librarian.

PENNSYLVANIA

- Pennsylvania State College, State College. Mr. Willard P. Lewis, Librarian.
Agricultural Library, Pennsylvania State College, State College.
Miss Anne E. Beal, Librarian.

RHODE ISLAND

- Rhode Island State College, Kingston. Mrs. M.R. Van Ingen, Librarian.
Rhode Island Agricultural Experiment Station, Kingston,
Miss Gertrude Phillips, Librarian.

SOUTH CAROLINA

- Clemson Agricultural College, Clemson College. Miss Cornelia A. Graham,
Librarian.
Colored Normal, Industrial, Agricultural and Mechanical College of
South Carolina, Orangeburg. Miss Athelma R. Nix, Librarian.

SOUTH DAKOTA

- South Dakota State College of Agriculture and Mechanical Arts,
Brookings. Prof. Wm. H. Powers, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE (continued).

TENNESSEE

University of Tennessee, Knoxville. Miss Mary E. Baker, Librarian.
Agricultural Library, University of Tennessee, Knoxville. Miss Sarah
C. Currell, Librarian.
Tennessee Agricultural and Industrial State College, Nashville.
Mrs. Martha M. Brown, Librarian.

TEXAS

Agricultural and Mechanical College of Texas, College Station.
Mr. Thomas F. Mayo, Librarian.
Agricultural Experiment Station, College Station. Miss Pauline
Elkins, Librarian.
Prairie View State Normal and Industrial College, Prairie View.
Mr. O. J. Baker, Librarian.

UTAH

Utah State Agricultural College, Logan. Miss Hattie Smith, Assistant
Librarian.
Utah Agricultural Experiment Station, Logan. Mrs. Blanche C. Pittman,
Librarian.

VERMONT

University of Vermont, Burlington. Miss Helen B. Shattuck, Librarian.
Agricultural Experiment Station, Burlington.

VIRGINIA

Virginia Polytechnic Institute, Blacksburg. Mr. Ralph M. Brown, Librarian;
Mrs. A. P. Cunningham, Assistant Librarian, in charge, Agricultural Branch
Virginia Truck Experiment Station, Norfolk. Mrs. Nancy D. Potter,
Librarian.
Virginia State College for Negroes, Ettrick. Alpha S. Rogers, Librarian.
Hampton Institute, Hampton. Miss Caroline L. Jones, Librarian.

WASHINGTON

State College of Washington, Pullman. Mr. W.W. Foote, Librarian.
Western Washington Experiment Station, Puyallup. Miss Gladys M. Oliver,
Librarian.

WEST VIRGINIA

West Virginia University, Morgantown. Dr. L. D. Arnett, Librarian.
West Virginia State College, Institute. Mr. M. M. Jefferson, Librarian.

WISCONSIN

University of Wisconsin, Madison. Mr. Walter M. Smith, Librarian.
College of Agriculture, University of Wisconsin, Madison. Mr. Clarence
S. Hean, Librarian.

WYOMING

University of Wyoming, Laramie. Miss Mary E. Marks, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE (continued)

2. U. S. Department of Agriculture

Librarian of the Department, Miss Claribel R. Barnett

Associate Librarian, Miss Emma B. Hawks

Readers' Division. Miss Emma B. Hawks, In Charge

Catalogue Division. Miss Helen M. Thompson, Chief

Periodical Division. Miss Lydia K. Wilkins, Chief

Branch libraries in the Bureaus.

Bureau of Agricultural Economics. Miss Mary G. Lacy, Librarian.

Division of Cotton Marketing. Miss Emily L. Day, Librarian.

Bureau of Agricultural Engineering. Mrs. Dorothy W. Graf, Librarian.

Bureau of Animal Industry. Miss Mary F. Thompson, Librarian.

Division of Animal Husbandry. Miss Jessie Urner, Librarian.

Bureau of Chemistry and Soils. Miss Minerva G. Beckwith, Librarian.

Fertilizer Investigations. Mrs. Lee A. Garby, Librarian.

Bureau of Dairy Industry. Miss Carrie B. Sherfy, Librarian.

Bureau of Entomology. Miss Mabel Colcord, Librarian.

Division of Bee Culture. Miss Ethel Coon, Librarian.

Office of Experiment Stations. Miss Cora L. Feldkamp, Librarian.

Forest Service. Miss Helen Moore, Librarian.

Bureau of Home Economics. Mrs. Mamie F. Nystrom, Librarian.

Bureau of Plant Industry. Miss Jessie M. Allen, Librarian.

Bureau of Public Roads. Miss O. Louise Evans, Librarian.

Solicitor's Office. Mr. Francis D. Scott, In Charge.

Weather Bureau. Prof. C. F. Talman, Librarian.

Outside of Washington.

Forest Products Laboratory, Forest Service, Madison, Wisconsin.

Miss Ellen A. Hoffman, Librarian.

Regional Office, Forest Service, San Francisco, California. (Library position vacant)

Regional Office, Forest Service, Portland, Oregon. Miss E. Maude Stone, Librarian.

Regional Office, Forest Service, Ogden, Utah. Miss Mildred Williams, Librarian.

Institute of Forest Genetics, Placerville, California. Miss Annie M. Avakian, Librarian. (In the January 1935 issue of Agricultural Library Notes it was erroneously stated that Miss Avakian had recently been appointed as Junior Librarian of the Institute of Plant Genetics at Placerville)

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE (continued)

3. Miscellaneous Libraries, Societies and Institutions

In this list are included miscellaneous libraries having large collections on agriculture, horticulture, forestry and natural history. In the case of collections on these subjects belonging to universities and colleges (other than land-grant institutions) only those are included that are known to have special librarians in charge. Additions or corrections will be gratefully received.

Academy of Natural Sciences, Philadelphia, Pa. Mr. Wm. J. Fox, Librarian.
American Museum of Natural History, New York. Miss Hazel Gay, Actg. Librarian.
Boston Society of Natural History, Boston, Mass. Miss Mary B. Cobb, Librarian.
Boyce Thompson Institute for Plant Research, Yonkers, N. Y. Miss Zeliaette Troy, Librarian.
Brooklyn Botanic Garden, Brooklyn, N. Y. Mr. Calvin W. Foss, Librarian.
Cleveland Museum of Natural History, Cleveland, O. Miss Edythe G. Williams, Reference Librarian.
Columbia University. Natural Science Libraries, New York. Miss Amy L. Hepburn, Librarian.
Field Museum of Natural History, Chicago, Ill. Miss Emily L. Wilcoxson, Librarian.
Harvard University, Arnold Arboretum, Jamaica Plain, Mass. Miss Ethelyn M.D. Tucker, Librarian.
Harvard University. Farlow Reference Library, Cambridge, Mass. Miss Hilda Harris, Librarian.
Harvard University. Gray Herbarium, Cambridge, Mass. Miss Ruth D. Sanderson, Librarian.
Harvard University, Museum of Comparative Zoology, Cambridge, Mass. Miss Eleanor K. Peters, Librarian.
Horticultural Society of New York, New York. Miss Elizabeth C. Hall, Librarian.
International Harvester Co., Agricultural Extension Department, Chicago, Ill. Mrs. Kathryn B. Allen, Librarian.
John Crerar Library, Chicago, Ill. Dr. J. Christian Bay, Librarian.
The Lloyd Library, Cincinnati, O. Mr. Walter H. Aiken, Librarian.
Massachusetts Horticultural Society, Boston, Mass. Miss Dorothy S. Manks, Librarian.
Missouri Botanical Garden, St. Louis, Mo. Miss Nell C. Horner, Librarian.
New York Botanical Garden, Bronx Park, N. Y. Miss S. H. Harlow, Librarian.
Pennsylvania Horticultural Society, Philadelphia, Pa. Miss Maria B. Samuel, Librarian.
Smithsonian Institution, Washington, D. C. Prof. W. L. Corbin, Librarian.
University of Michigan, School of Forestry and Conservation, Ann Arbor, Mich. Miss Ina H. Rankin, Librarian.
University of Pennsylvania Botanical Laboratory, Philadelphia, Pa. E. E. Craig, Librarian.
Yale University School of Forestry, New Haven, Conn. Miss Frances Bolton, Librarian.

FILM-STRIP COPIES OF SCIENTIFIC PUBLICATIONS

By Dr. Atherton Seidell, National Institute of Health

[Editor's note: In previous issues of Agricultural Library Notes extracts have been given of articles by Dr. Atherton Seidell of the National Institute of Health, on the photographic reproduction of scientific articles. Another article by him on this subject entitled "Film-strip copies of scientific publications" is contained in the February 15, 1935, issue of Science, p. 174-176. As this article is of special interest in connection with the recent inauguration of a film copying service in the U. S. Department of Agriculture Library, it is reprinted below. It is followed by Supplementary Remarks, prepared for Agricultural Library Notes by Dr. Seidell, on recent developments in connection with copying cameras and projectors.]

"Attention was called some months ago to the efforts being made to re-organize the production and distribution of scientific publications. Special emphasis was laid on the need of making published results of research more easily accessible to those who use them. It was pointed out that the apparatus and materials required for making film-strip copies of printed pages exist at present and all that is needed is to assemble them and systematically organize the service. A plan of such an organization was suggested, and a preliminary estimate given of the cost of the equipment required.

At the time the articles referred to above were written, the most highly developed machine for photographing pages of books upon moving picture film, of which I had learned, was one of German manufacture, for which the quoted price, in marks, corresponded to about \$1,000.

Since then, through the courtesy of Dr. Robert C. Binkley, chairman of the Joint Committee on Materials for Research, I have had the privilege of reading the advance sheets of chapters IX and X of his revised "Manual of Methods of Reproducing Research Materials." These chapters give a comprehensive critical survey of the factors involved in applying film-copying processes to the reproduction of printed or other documents. The contributions of a large number of workers are reviewed and it is apparent that greater progress has been made than is generally realized. Some 12 film-copying cameras are described and their relative merits discussed. Of these, the camera invented and built by Mr. Lloyd B. Kennedy, of Warren, Ohio, is considered to be the most ingenious so far developed.

Of the several cameras at present on the market, the most widely used is the Leica. This camera, however, is designed particularly for the use of individuals who wish to make their own copies of documents. Its limited film capacity restricts the usefulness of this camera for the large scale production under which a highly organized library copying service would be called upon to operate.

On November 5 last Mr. Watson Davis, of Science Service, invited to a luncheon at the Cosmos Club of Washington about 15 persons known by him to be interested in the subject of film copying of documents. Among those present was Dr. R. H. Draeger, of the Medical Department of the U.S. Navy. Dr. Draeger told of a camera he had built and exhibited film-roll copies of books made with it. He was led to build his camera by the desire to provide himself with a conveniently transportable film library of scientific publications, for consultation and study while on shipboard or at distant

(1) Science, 80: 70-72, July 20, 1934; pages 184-5, Aug. 24, 1934. See also address on the Berthelot Centenary, Science, 67: 497-99, May 18, 1928.

FILM-STRIP COPIES OF SCIENTIFIC PUBLICATIONS
(continued)

naval posts. The camera was completed shortly after he was detailed for a special course of study at the Naval Medical School of Washington. While here, the director of the school recognized the utility of the camera for copying rare volumes needed to complete files upon naval hygiene being assembled at the school. Upon his recommendation, Dr. Draeger was provided with facilities for constructing a second and more highly perfected camera, which is expected to be completed shortly.

As a result of this information communicated at the luncheon, Miss Claribel R. Barnett, librarian of the Department of Agriculture, who was also present, has arranged at my suggestion for Dr. Draeger to install his camera in her library and make experiments upon copying articles in bound volumes of journals, the loan of which in large numbers is requested by out-of-town governmental and private research institutions. This experimental service has been in operation for over two months and the most varied lot of articles have been copied and sent out.

The experiment has conclusively shown that this first stage of a film-copying service has been satisfactorily achieved. The only other improvements will be in the direction of increasing the automatic character of the apparatus. The next step is the designing and manufacture of film-strip magnifiers and projectors which will permit one to comfortably read the printed matter photographed on the film.

The many film projectors at present on the market have been designed for other purposes and can not be conveniently used for reading film strips without more or less modification. In general, they are equipped with holders for film rolls and not short strips. Furthermore, the lens focus is usually too long to permit the screen to be placed conveniently near the projector. This latter disadvantage can in some cases be overcome by projecting into a box provided with a mirror which reflects the image upon a ground glass.

In view of the need of reading equipment especially designed for film-strip copies of printed pages, attention has been turned first to constructing a simple magnifier. This consists of a short cylinder, to one end of which is fixed a holder to receive the film, beyond which is a ground glass, and to the other a lens capable of being focused to sharp definition of the image.

The film strip is inserted, the apparatus is held towards a source of light, the focus adjusted and the brightly illuminated text, which is magnified about 10 times, read without difficulty. A film-strip magnifier of this kind, provided with a satisfactory lens, a handle and a screen to shade the eye not used, has been constructed at a cost which would permit it to be sold for not more than five dollars.

Experiments with such a magnifier have shown that it can also be used for projecting the film copy upon an improvised screen or a reflecting mirror and ground glass mounted in a box. All that is required is an efficient source of light. This may conveniently be composed of a lamp, condenser lenses and a reflector mounted in a small metal box. A clamp bracket permits the light source and film magnifier to be held in line and directed towards any improvised screen or into a reading box provided with a mirror and ground glass. Of the three elements composing the apparatus, film strips may be read directly, using the magnifier alone,

FILM-STRIP COPIES OF SCIENTIFIC PUBLICATIONS

(continued)

or by projection on an improvised screen with the aid of the magnifier and light source, or by projection on a ground glass by a combination of the three elements. As mentioned above, the film-strip magnifier with a lens suitable for reading the printed matter directly should cost not more than five dollars. Provided with a better lens, needed for projecting to a larger scale, the price would probably be within \$10. The other two elements of the apparatus can no doubt be furnished for another \$10.

In the previous communications upon the organization of a film-strip documentation service it was suggested that the film strips should be mounted in windows in filing cards and sent out in this form. The object of this was to facilitate filing and permit the title and reference to be typewritten on the card and thus the subject-matter identified without resorting to magnification or projection of the film copy. The high cost of equipping projectors with holding devices for cards as large as would be necessary makes this plan impractical. It is now suggested that the film strips be filed in envelopes with the necessary indications written on the outside. For reading, the film strips could then be removed and inserted in the ordinary sized slots provided on magnifiers and projectors.

In order to facilitate the identification of the subject-matter of a given film strip it is contemplated that the title page of the volume in which appears the article copied shall be photographed in the first frame of the strip, together with the abbreviation of the journal title, volume, page and year, copied from a legend sufficiently large to be read on the film strip with the naked eye. Thus the film copy will be so perfectly identified that the possibility of its being misplaced from its proper envelope need not be a cause of concern.

The film-copying service would at first consist simply of photographing the pages of articles in journals and sending the negative film strip to those desiring them. The cost would be very low. Acetate film sells for \$20 per 1,000 feet, and since two pages are photographed upon each 1 1/2 inches of film there would be 16 pages per foot. Allowing for the title page, identification reference and a short blank space at each end, the film for a 10-page article would cost about 2 cents. The developing and labor would probably not amount to more than 8 cents per 10-page article, hence it is likely that the service could be rendered by a library, without loss, at 10 cents per article of 10 pages or less and 5 cents for each additional 10 pages. This, however, is only a preliminary estimate and may be subject to revision on the basis of experience gained during an experimental period of operation.

When one considers the complex and expensive organization required for keeping track of borrowed books, the wear and tear to which they are subjected, and the messenger or other service required to deliver them, the saving effected by reducing the number which would leave the library would certainly be an important item. It is even possible that film-copying service rendered free might be a saving over the present system of lending library books. It is therefore not unreasonable to expect that even at the low price mentioned, the adoption of film-copying by libraries would lead to a considerable economy of operation.

FILM-STRIP COPIES OF SCIENTIFIC PUBLICATIONS
(continued)

With this end in view and also in consideration of the great service that film copies may be expected to render research workers, Miss Barnett has arranged to have made, at the prices mentioned above, with the equipment of Dr. Draeger, film-strip copies of articles contained in publications on file in the library of the Department of Agriculture.

Those desiring to avail themselves of this service should send their orders to the "Biblio-Film Service," care of Library, U.S. Department of Agriculture, Washington. It is expected that within a short time film-strip magnifying and projecting apparatus, such as described above, will be available."

Supplementary Remarks to the Foregoing Article

By Atherton Seidell

Since this article was written there have been several developments of special interest. During Christmas week there was held in Washington in connection with the meetings of the American Horticultural Societies, an exposition of cameras designed for copying printed matter upon moving picture film. Dr. Martin of the Library of Congress showed the French E. K. C. equipment and work done with it in his library. Dr. Draeger exhibited his admirably built camera. The Leica camera and its various accessories were shown. The Eastman Kodak Company demonstrated the application of the Recordak to copying typewritten and other matter recorded upon sheets up to 8 x 10 inches in size. It is expected that this machine will eventually be adapted to copying the pages of printed volumes.

Probably the most promising apparatus which was shown, from the standpoint of simplicity and economical construction, was a preliminary model of a copying camera being developed by the Fulmer Graflex Corporation of Rochester, N. Y. This camera is provided with an ingenious device which, by one operation and without a motor, makes a timed exposure and then winds the film for the next. The apparatus is of such simple construction that it can undoubtedly be built for a price which will be well within the means of practically all libraries and of many individuals who may desire to make their own film copies of publications. This camera should, therefore, make it possible for many libraries to begin film copying service.

In regard to the progress which has been made in perfecting means for reading the printed matter copied in reduced size on sensitized film, satisfactory designs of instruments for this purpose have been made and negotiations are under way.

It is expected that a magnifier adapted for direct reading, provided with a 10 power lens and a handle and shade for the eye not used, will shortly be available at \$5.00.

Although a very simple projector has been designed, the working out of its economical manufacturing details will probably require several months. The two features in connection with it which have required most study are (1) the selection of a light condensing system which gives sufficient illumination without causing damage to the film by heat during as long a period as it might be desired to project the text for reading or study, and (2) the choice of a projecting lens which gives sharp definition of a sufficiently large field at close range. Unfortunately, the only lenses which fulfill this requirement are expensive. The principal cost of the apparatus will, accordingly, be the lens. Efforts to reduce this cost are being made and it is expected that an entirely satisfactory projector will be produced for about \$30.00.

FILM-STRIP COPIES OF SCIENTIFIC PUBLICATIONS
(continued)

Although it is realized that for those who may wish to make extended use of filmstats of scientific articles a satisfactory projector is necessary, it is believed that many will find that the simple magnifier which permits direct reading of the printed matter will serve this purpose, at least in the beginning.

Since the effort to develop filmstat service is still in the experimental stage and only conjecture can be made as to the extent of the demand there may be for it, the Biblio-Film Service will be very grateful to those who will favor it with their opinion as to how great the service may be to them. An intimation as to whether they would like to experiment with the magnifier while awaiting

Errata in AGRICULTURAL LIBRARY NOTES for February 1935

On page 72, in the statement entitled "Supplementary Remarks to the Foregoing Article," by Atherton Seidell:

- Paragraph 1, line 3: Substitute Historical for Horticultural
- Paragraph 3, line 3: Substitute Folmer for Fulmer
- Paragraph 4, line 4: Add at end, "for their manufacture."

In order that it may be rendered at the lowest possible cost. Towards this end it is desirable that correspondence, collections, accounts, and all records of operation be reduced to the minimum. Since the Library personnel will cooperate in collecting the references to be copied and in replacing the volumes on the shelves, and since Library space is provided for the copying equipment used, it has been decided that the service will be rendered free, at least for a trial period and within certain limits, to scientists in Federal governmental institutions if needed in connection with official work. To all others the charge will be, for the present at least, ten cents for each article not exceeding ten pages in length, and five cents for each additional ten pages or fraction thereof, of the same article. The money received in payment will be used for meeting the actual costs. Any surplus will be devoted to purchasing additional equipment and to the further perfecting and economical production of the apparatus used in making and in reading the film copies.

For brevity and convenience in referring to copies of printed articles upon sensitized film, it is proposed that the name filmstat be employed. The product distributed by the Biblio-Film Service will accordingly hereafter be referred to as filmstats.

In order that filmstats may be easily identified by legends which may be read with the naked eye, an economical manner of providing the necessary large type copy for such legends is being sought. It is expected that at least the complete journal reference in addition to the reproduced title page of the periodical will be given. Possibly, also, the author's name may later be reproduced on the film copy in letters large enough to be read by the naked eye.

FILM-STRIP COPIES OF SCIENTIFIC PUBLICATIONS
(continued)

With this end in view and also in consideration of the great service that film copies may be expected to render research workers, Miss Barnett has arranged to have made, at the prices mentioned above, with the equipment of Dr. Draeger, film-strip copies of articles contained in publications on file in the library of the Department of Agriculture.

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This camera is provided with an ingenious device which, by one operation and without a motor, makes a timed exposure and then winds the film for the next. The apparatus is of such simple construction that it can undoubtedly be built for a price which will be well within the means of practically all libraries and of many individuals who may desire to make their own film copies of publications. This camera should, therefore, make it possible for many libraries to begin film copying service.

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FILM-STRIP COPIES OF SCIENTIFIC PUBLICATIONS
(continued)

Although it is realized that for those who may wish to make extended use of filmstats of scientific articles a satisfactory projector is necessary, it is believed that many will find that the simple magnifier which permits direct reading of the printed matter will serve this purpose, at least in the beginning.

Since the effort to develop filmstat service is still in the experimental stage and only conjecture can be made as to the extent of the demand there may be for it, the Biblio-Film Service will be very grateful to those who will favor it with their opinion as to how great the service may be to them. An intimation as to whether they would like to experiment with the magnifier while awaiting the appearance of the especially designed projector would aid in forming an estimate as to the number which should be ordered. Naturally, if the demand for the magnifiers and projector should be sufficiently large, the manufacturing cost will be less.

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INFORMATION IN REGARD TO THE BIBLIO-FILM SERVICE
OPERATING IN THE LIBRARY OF THE U. S. DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

The purpose of this service is to decrease interlibrary loans of books by supplying directly to individuals copies of scientific articles contained in periodicals. The organization is still incomplete and the indulgence of those whom it is desired to serve is requested pending the acquirement of more experience in operating details. The cooperation of those using the service is also requested in order that it may be rendered at the lowest possible cost. Towards this end it is desirable that correspondence, collections, accounts, and all records of operation be reduced to the minimum. Since the Library personnel will cooperate in collecting the references to be copied and in replacing the volumes on the shelves, and since Library space is provided for the copying equipment used, it has been decided that the service will be rendered free, at least for a trial period and within certain limits, to scientists in Federal governmental institutions if needed in connection with official work. To all others the charge will be, for the present at least, ten cents for each article not exceeding ten pages in length, and five cents for each additional ten pages or fraction thereof, of the same article. The money received in payment will be used for meeting the actual costs. Any surplus will be devoted to purchasing additional equipment and to the further perfecting and economical production of the apparatus used in making and in reading the film copies.

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INFORMATION IN REGARD TO THE BIBLIO-FILM SERVICE
OPERATING IN THE LIBRARY OF THE U. S. DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.
(continued)

Since each article copied will be a unit in the series of operations by which filmstats are produced, it is especially important that those ordering filmstats, in addition to including the desired references in their letters, write each reference to an article desired on a separate slip of paper, preferably 3 x 5 inches in size. Each such reference slip should also contain the name and address of the person to whom the filmstat copy is to be sent. This slip will be returned with the filmstat. When possible, it will facilitate accounting if the exact payment accompanies the order so that when the filmstats are mailed no further records of the operation will be necessary. Checks or money orders should be made out to Biblio-Film Service and addressed in care of the U. S. Department of Agriculture Library, Washington, D. C. Deposits may be made which may be drawn on as occasion demands.

The reference slips as received each day will first be looked up in the Library catalogue and the shelf number of the periodical noted on each slip. They will then be given to a library attendant who will search the books in the stacks and deliver them to the photographing room. The books thus assembled will be classified in accordance with their size, so that all pages of equal dimensions will be copied with one focal setting of the camera.

The camera operator will first photograph the title page of the periodical and the large-scale legend identifying the article.. The designated pages will then be photographed. When all of the articles ordered in one day have been copied, the roll of film will be developed and dried. It will then be cut and each filmstat joined to its corresponding reference slip and mailed to the person for whom it was made.

In order to make use of filmstats it is, of course, necessary that a convenient means of reading the greatly reduced sized copy be provided. This is the difficulty which has so far restricted the widespread adoption of this system of reproducing scientific and other printed records. Recent efforts which have been directed towards the solution of this problem have resulted in the development of satisfactory designs of these instruments. Negotiations for their moderately large-scale production are under way.

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WASHINGTON
D. C.

I

Principal Library Accessions

Agricultural Departments

U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Agricultural department appropriation bill for 1936. Hearing before the subcommittee of House Committee on appropriations in charge of the Agricultural department appropriation bill for 1936. Seventy-fourth Congress, first session. Washington, Govt. Ptg. Office, 1935.

MISSISSIPPI. DEPT. OF AGRICULTURE. A survey of duties, functions and administration of state departments of agriculture and related agencies. Jackson, 1934.

Biography

PELLERVO STURA. Hannes Gebhardin muisto. Helsingissä, 1934.

Botany

- BLAKELY, W. F. A key to the eucalypts with descriptions of 500 species and 138 varieties, and a companion to J. H. Maiden's Critical revision of the genus Eucalyptus. Sydney, Workers Trustees, 1934.
- GRIFFITH, B. G. A pocket guide to the trees and shrubs of British Columbia. Victoria, B. C. Forest branch, 1934. Mimeographed.
- RECORD, S. J. North American trees; guide to Charles F. Millspaugh hall. Chicago, Field museum of natural history, Dept. of botany, 1934.
- WORONIN, M. S. Plasmodiophora brassicae, the cause of cabbage hernia. 1878. A translation from the German by Charles Chupp, with a biographical sketch by the translator. Ithaca, N. Y., American phytopathological society, 1934. (Phytopathological classics no. 4)

Chemistry

- BRENNECKE, ERNA, and others. Neuere massanalytische methoden. Stuttgart, Enke, 1935. (Die chemische analyse begründet von E. M. Magosches. v. 55)
- GARVAN, F. P. In the matter of a proposed reciprocal trade treaty between the United States and Switzerland. Brief submitted on behalf of chemistry in the United States. New York, Chemical foundation, 1935.
- HOPKINS, A. J. Alchemy, child of Greek philosophy. New York, Columbia university press, 1934.
- MITCHELL, A. D. New indicators and other reagents employed in volumetric analysis. London, Institute of chemistry of Great Britain and Ireland, 1934.

Cookery

- TYLER, H. E. The Green mountain cook book, by Aristene Pixley [pseud.] Brattleboro, Vt., Stephen Daye press, 1934.
- WENZEL, G. L. American menu maker restaurant recipes. Comp. and ed. by American menu maker. Long Island City, N. Y., 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Crops, Gardening

- HUNT, W. L. The southern garden, a study course for garden clubs. series 1. Chapel Hill, N. C., 1934. (University of North Carolina. Library extension publication, v. 1, no. 1)
- INDIA. BOMBAY (PRESIDENCY) DEPT. OF AGRICULTURE. Experiments in manuring crops in the Bombay presidency, 1896-1931, by D. L. Sahaarabuddhe. Bombay, 1934.
- SCOTLAND. DEPT. OF AGRICULTURE. Register of potato crops of varieties immune from wart disease inspected and certified "T.S.(H)" during 1934. Edinburgh, 1934.

Dairying

- FUNDAMENTALS OF DAIRY SCIENCE, by associates of Lore A. Rogers in the research laboratories of the Bureau of dairy industry, United States Department of agriculture. 2d. ed. New York, Reinhold publishing corporation, 1935. (American chemical society. Monograph series no.41)

Drainage

- THURMANN-MOE, P. Veiledning i skoggroftning. Oslo, Tandberg & Jensens, 1934.

Economics

- BALL, J. A., jr. Canadian anti-trust legislation. Baltimore, Williams & Wilkins, 1934.
- BLACHLY, F. F., and OATMAN, M. E. Administrative legislation and adjudication. Washington, Brookings institution, 1934. (Institute for government research. Studies in administration no. 29)
- CHANG, YIH-T'ANG. The economic development and prospects of inner Mongolia (Chahar, Suiyuan, and Ningsia) Shanghai, Commercial press, 1933.
- CHEN, GIDEON. Chinese government economic planning and reconstruction since 1927. Shanghai, China institute of Pacific relations, 1933.
- CONNECTICUT. COMMISSION TO STUDY THE TAX LAWS OF THE STATE, Summary of the report. Hartford, 1934.
- FOREIGN POLICY ASSOCIATION, New York. COMMISSION ON CUBAN AFFAIRS. Problems of the new Cuba. New York, 1935.
- FORSTMAN, JULIUS. How to increase production and employment. Passaic, N.J. 1934.
- KIRK, HAZEL. The marketing system and the consumer. Radio talks given in the spring quarter, 1934, the University of Chicago. Chicago, 1934. Mimeographed.
- LEE, I. L. The problem of international propaganda. [New York? 1934] (Occasional papers. no. 3)
- NEW YORK. STATE PLANNING BOARD. State planning for New York. Albany, 1935. Mimeographed.
- NOVA SCOTIA. ROYAL COMMISSION PROVINCIAL ECONOMIC INQUIRY. A submission on Dominion-provincial relations and the fiscal disabilities of Nova Scotia within the Canadian federation. [Halifax? 1934?]
- NOVA SCOTIA. ROYAL COMMISSION PROVINCIAL ECONOMIC INQUIRY. Report. Halifax, 1934.

PRINCIPAL LIBRARY ACCESSIONS

Economics (Continued)

- PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. DEPT. OF AGRICULTURAL ECONOMICS. Sources of food and some factors affecting consumption in the borough of State College, Pennsylvania by D. H. Walter. [State College? 1933] Mimeographed.
- ROSE, J. C. The McNair five-to-one plan. An extension of the present graded tax system. Pittsburgh, 1934.
- SIMS, J. G. The new deal vs. laissez faire. Fort Worth, Tex., Author, 1934.
- SMITH, J. G. Economic planning and the tariff. Princeton, Princeton university press, 1934.
- SOUTHERN METHODIST UNIVERSITY. ARNOLD FOUNDATION. The government of Texas; a survey, edited by S. D. Myres, jr. Dallas, 1934.
- WALKER, W. P. Certain financial aspects of local governments in Maryland. [n.p.] State of Maryland, 1934. Mimeographed.
- WARSAW. INSTYTUT BADANIA KONJUNKTUR GOSPODARCZYCH I CEN. Comparabilité internationale des indices de la production industrielle. Varsovie, 1934. At head of title: Institut de recherches sur le mouvement general des affaires et sur la formation des prix. Michal Kalecki et Ludwik Landau.
- WILLANDT, O. W. Suomen maatalouden velkaantuminen, lähinnä vuoden 1932 lopussa. Helsingissä, Pellervo-seura, 1934. Agricultural indebtedness in Finland.
- VILLOUGHBY, W. F. Principles of legislative organization and administration. Washington, Brookings institution, 1934. (Institute for government research. Principles of administration)
- ZEMACH, S. The Jewish village. Ed. 2. Jerusalem, Koren hayesod, 1933.

Economics, Agricultural

- IOWA. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS, Ames. A study of certain aspects of corn belt agriculture in order to determine suitable policy for production reduction. Progress report prepared for Production planning section of the Division of program planning, Agricultural adjustment administration, U.S.D.A., Washington, D. C., 1st-2d. Ames, 1934. Mimeographed.
- RURAL RECONSTRUCTION ASSOCIATION. The association and its policy. Beaconsfield, Eng., 1935.
- SIMPSON, J. A. The militant voice of agriculture. Oklahoma City, Okla., 1934.

Engineering

- HOLSLAG, C. J. Arc welding handbook. Ed. 7. Newark, N. J., 1934.
- LINDE AIR PRODUCTS COMPANY. Fabrication of oxwelding piping. New York, 1934.
- LINDE AIR PRODUCTS COMPANY. The oxwelder's manual. Ed. 13. New York, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Entomology

- MANsour, K. The development of the adult mid-gut of coleopterous insects and its bearing on systematics & embryology. Le Caire, 1934. (The Egyptian university. Faculty of science. Bulletin no. 2)
- MELIS, ANTONIO. Tisanotteri italiani. Studio anatomomorfologico e biologico del Liotripide dell'olivo ("Liothrips oleae" Costa) Firenze, M. Ricci, 1934. Estratto dal "Redia", vol. 21.

Feeding of Animals

- TAKAHASHI, EIJI, and others. The influence of soy bean cake upon milk production and quality of butter. [Darien?] South Manchuria railway company, 1934.

Forestry

- BRUCE, DONALD, and SCHUMACHER, F. X. Forest mensuration. New York, McGraw-hill, 1935.
- KESSELL, S. L. Forestry in New South Wales. Sydney, A. J. Kent, govt. printer, 1934.

Housing

- LABOR PARTY (GT. BRIT.) Up with the houses! Down with the slums! London, 1934. (Policy report no. 10)

Insurance

- WYLANDER, HATES, Eläinvakuutusyhdistyksen käsikirja, neljäs uusittu painos. Helsinki, Pellervo-seura, 1934. Manual of livestock insurance societies.

Labor, Relief

- BELLMAN, E. S. The pay roll plan. Baltimore, 20th century press, 1935.
- BROOKINGS INSTITUTION, Washington, D. C. The thirty-hour week, by H. G. Moulton and Maurice Leven. Washington, Brookings institution, 1935.
- CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA. DEPT. OF MANUFACTURE COMMITTEE. The shorter work week. Washington, 1934.
- NEW YORK (STATE) TEMPORARY EMERGENCY RELIEF ADMINISTRATION. Emergency relief in the state of New York. Statutes, regulations, and opinions and interpretations of counsel. Ed. 2. Albany, 1934.

Land

- ALSBERG, C. L. Land utilization investigations and their bearing on international relations. Honolulu, Institute of Pacific relations, 1933.
- CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA. SPECIAL COMMITTEE ON LAND POLICY. Land policy, Washington, 1934.

PRINCIPAL LIBRARY ACCESSIONS

(Continued)

Land

(Continued)

LABOR PARTY (GT. BRIT.) Fair rents and no profiteering. London, 1934.
(Policy report no. 9)

STAMP, L. D., and WILLIAMS, E. C. The land utilisation survey of Britain; an outline description of the first twelve one-inch maps. London, Land utilisation survey of Britain, London school of economics (University of London) 1934.

Mathematics

GRANVILLE, W. A., and others. Elements of the differential and integral calculus. New ed. Boston, Ginn, 1934.

Natural History

BOMBAY NATURAL HISTORY SOCIETY. The Bombay natural history society. 1883-1933. Vepary, Madras, 1934.

CEYLON. FAUNA AND FLORA PROTECTION COMMITTEE. Report. Colombo, Ceylon government press, 1934.

Poultry

PAYNE, L. F., and SCOTT, H. M. International poultry guide for flock selection for the more popular breeds and varieties. Kansas City, International baby chick association, 1934.

Textiles

HAVEN, G. B. Industrial fabrics. New York, Wellington Sears, 1934.

HENDERSON, W. O. The Lancashire cotton famine, 1861-1865. Manchester, 1934. (Publications of the University of Manchester. Economic history series, no. 9)

Theses

BITZER, ERWIN. Der tabak in Mitteleuropa, mit besonderer berücksichtigung Deutschlands. Ochsenfurt am Main, 1933. Inaug.-diss. Würzburg.

OTTO, WILHELM. Zur geographie der riechstoffdrogen. Ochsenfurt am Main, 1934. Inaug.-diss. Würzburg.

SAPPENFIELD, H. M. Financial administration in the states of Illinois, Ohio and Indiana. Urbana, 1934. Abstract of thesis (Ph.D.) Univ. of Illinois.

SCHNEGG, WALTER. Über den pflanzenbestand auf wiesenneuanlagen in den dienstbezirken der Bayer. landwirtschaftsstellen Moosburg und Nördlingen. München, 1933. Abhandlung. Tech. hochschule, München.

WANG, P. H. Rail and motor carriers: competition and regulation. Philadelphia, 1932. Thesis (Ph.D.) University of Pennsylvania.

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NOTES ON PERIODICALS

- American tung oil news. mo. Oct. 1934- 4°. Valparaiso, Fla., 1934-
- American canary and cage-bird life. Chicago. Changed to American canary magazine with v. 6, no. 11, Dec. 1934.
- American fur and wool grower. 217 North Broad St., Lancaster, O. mo. 4°. il. v. 1, no. 1, Jan. 1935. \$1.50 a year. Successor to American fur growers' magazine, discontinued with v. 7, no. 9, Aug./Sept. 1934.
- Botanical review. Lime and Green Sts., Lancaster, Pa. mo. 8°. il. v. 1, no. 1, Jan. 1935. \$3.00 a year.
- Canadian journal of economics and political science. The journal of the Canadian political science association. University of Toronto press, Toronto. quar. 4°. v. 1, no. 1, Feb. 1935. \$3.00 a year.
- Cooperation. New York. Changed to consumers cooperation with v. 21, no. 1, Jan. 1935.
- Escuela de agricultura. San José, Costa Rica. Changed to Revista de agricultura with tomo 7, num. 1/2, Jan./Feb. 1935.
- Foreign trade. Paris, France. Changed to Franco-American trade with v. 10, no. 1, Jan. 1935.
- Equity union farmer (formerly Equity news). Kaukana, Wis. Changed to Farmers' equity union news with v. 29, no. 2 [i.e.3], Oct. 1934.
- Fur farmer magazine. Seattle. Changed to Fur farmer weekly with v. 10, no. 1, Jan. 22, 1935.
- Home acres. Pleasantville, N. Y. Merged Jan. 1935 with Garden digest and issued on alternate months as pt. 2 of that periodical.
- The Hutch and cage. Phoenix, N. Y. Discontinued with v. 4, no. 4, June 1934. Merged in American rabbit journal. Sept. 1934.
- International review of educational cinematography. Rome, Italy. Changed to Intercine with year 7, no. 1, Jan. 1935.
- International rubber regulation committee. Statistical bulletin. The Secretary, International rubber regulation committee, Brettenham House, 5/6 Lancaster Place, Strand, London, W.C. 2. mo. f°. v. 1, no. 1, Jan. 1935. 10/- a year.
- Landtmannen; tidskrift för landtmän. Stockholm. Changed to Landtmannen svenskt land; tidskrift för landtmän with no. for Jan. 5, 1935.
- National and American miller. Chicago. Changed to American miller with v. 63, no. 1, Jan. 1935.
- National laundry and cleaning journal. New York. Changed to National laundry journal with v. 55, no. 10, Jan. 1935.
- Niedersächsische bauernzeitung. Hannover. Changed to Wochenblatt der Landesbauernschaft Hannover with jahrg. 88, nr. 5, Feb. 1, 1935.
- Nouvelles de la chimie. 28 Rue Saint-Dominique, Paris. mo. il. no. 1, Jan. 1935. 15 fr.
- Office international des fabricants de chocolat et de cacao. Bulletin officiel, Bruxelles. Changed to Office international du cacao et du chocolat. Bulletin officiel with v. 5, no. 1, Jan. 1935.
- Der Praktische ratgeber im obst- und gartenbau. Frankfurt a. d. Oder. Changed to Deutscher garten with jahrg. 50, no. 1, Jan. 6, 1935.

NOTES ON PERIODICALS

(Continued)

- Quarterly journal of economics and statistics. Tientsin, China. Changed to Quarterly journal of economics and political science with v. 3, no. 1, Oct. 1934.
- Research and progress. Berlin, NW7, Unter den Linden 38. quar. 8°. v. 1, no. 1, Jan. 1935. Annual subscription, 6/-, post free.
- Revue de microbiologie appliquée à l'agriculture, à l'hygiène, à l'industrie. Dicteur Hauduroy, 10 rue Oswaldo-Cruz, Paris (16°). 4°. tome 1, no. 1, July/Aug. 1934. Foreign subscription, 70 fr.
- Der Rheinische Bauernstand. Köln. Changed to Wochenblatt der Landesbauernschaft Rheinland, with 1935, nr. 5, Feb. 2, 1935.
- Rice journal. New Orleans. Changed to Rice, sugar and coffee journal with v. 38, no. 1, Jan. 1935.
- U. S. Dept. of Interior. Soil erosion service. The Land: today and tomorrow. mo. v. 1, no. 1- Oct. 1934- il. 8°. Washington, 1934-
- Veterinary Lederle bulletin. bi-mo. v. 1- Apr./May 1932- il. 4°. New York, 1932.

-o-o-o-o-o-o-o-o-

BIBLIOGRAPHIES AND LISTS

U. S. Department of Agriculture

Bureau of Chemistry and Soils.

- Bacteriology of eggs; a selected bibliography. Compiled by T. L. Swenson. 1935. 8 p. (Issued by Food research division)
- The chemistry of eggs; a selected bibliography. Compiled by T. L. Swenson. 1934. 16 p. (Issued by Food research division)
- A selected bibliography on the anti-bacterial action of egg white, lysozyme. Compiled by T. L. Swenson. 1934. 4 p. (Issued by Food research division)

Miscellaneous

- Nickles, John M., and Miller, R. B. Bibliography and index of geology exclusive of North America. v. 1, 1933. Washington, 1934. 205 p. (Geological society of America. Bibliographic contributions)

A companion volume to "Bibliography of North American Geology" published by the U. S. Geological Survey in its series of Bulletins. The latest of these issued is that covering 1931 and 1932 (Bulletin 858); 1929 and 1930 are covered by Bulletin 834. These supplement Bulletins 746 and 747, Bibliography of North American Geology, 1785-1918, and Bulletin 823, 1919-28.

- U. S. Department of the Interior. Soil erosion bibliography. By Lillian H. Wieland, Soil Erosion Service. Washington, D.C., 1935. 124 p.

-o-o-o-o-o-o-o-

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT.*

Office of the Secretary

- WALLACE, H. A. Needed - a unified land policy. Utah Farmer 55(12): 4. Jan. 25, 1935. no. 12.
- WILSON, M. L. The philosophy of the new deal in its relation to American agriculture. Agricultural Education 7(8): 115-117, 120, 127-128. Feb. 1935.
- The report on land of the National Resources Board. Jour. Farm. Econ. 17: 39-54. Feb. 1935. (Discussion by G. S. Wehrwein, p. 50-54)

Agricultural Adjustment Administration

- CLAYTON, C. F. Program of the federal government for the purchase and use of submarginal land. Jour. Farm Econ. 17: 55-56. Feb. 1935. (Discussion by W. D. Nicholls, p. 63-66)
- GAUMNITZ, E. W. The outlook for future developments in milk control. Jour. Farm Econ. 17: 133-139. Feb. 1935.
- HOWE, F. C. An approach to a farmers' utopia. Nebraska Farm Bureau Fed. News 10(5): 9. Jan. 1935.

Bureau of Agricultural Economics

- BAKER, O. E. Future land requirements necessary to supply domestic needs of agricultural commodities. Assoc. Land-Grant Colls. Proc. (1933) 47: 182-192. 1934.
- HANWAY, A. M. Book review. (Le problème mondial du blé, by Paul de Hevesy. Paris, Librairie Felix Alcan, 1934. 293 p.) New Repub. 80: 140 Sept. 12, 1934.
- Review. (Internationale bibliographie des agrarökonomischen schrifttums, by S. von Fraendorfer. In Berichte über landwirtschaft, Band 17, Heft 4. Berlin, Feb., 1935. p. 726-738) Agr. Econ. Rev. 24: 715-716. Dec. 1934. Also, essentially the same material with various titles, in Libr. Quart. 4: 681-682. Oct. 1934; Libr. Jour. 59: 522. June 15, 1934; Jour. Farm Econ. 16: 725-726. Oct. 1934.
- McCARTHY, B. P. Single standards for beef grades. Cattleman 21(9): 41-42. Feb. 1935. Also, essentially the same material with similar titles, in N. A. State Assoc. Retail Meat Dealers. Bul. 9: 5. Feb. 5, 1935; Fatchers Advocate 97(5): 10. Jan. 30, 1935; Penn. Meat Dealer 9(2): 22. Feb. 1935.
- MANNY, T. B. Characteristics and needs of rural youth in the 16-24 year age group. Agr. ed. 7: 121-124. Feb. 1935.
- MENDIN, C. T. Book review. (Farm accountancy. Statistics for 1930-31, by International Institute of Agriculture, 1934. 624 p. In French, with table headings well layed and translated) Jour. Farm Econ. 17: 128-129. Feb. 1935.
- PETERSON, A. G. Book review. (The decline and recovery of wheat prices in the Nineties, by Helen C. Farnsworth. (Wheat studies of the Food Research Institute, v. 10, no.3, 8 and 9) Stanford Univ., Calif., 1934. 63 p.) Jour. Farm Econ. 17: 190-191. Feb. 1935.

*These lists are prepared in the bureaus under which they are entered with the exception of the Office of the Secretary and the Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics
(continued)

- PIER, C. F., and SPRAGUE, G. W. Live poultry shipments and receipts at New York City. U. S. Egg and Poultry Mag. 40(7): 35-38. Aug. 1934.
- POTTS, R. C. Mistakes in egg marketing that need correcting. U. S. Egg and Poultry Mag. 40(5): 24-25. May 1934.
- Three causes of dirty eggs. U. S. Egg and Poultry Mag. 40(7): 39, 64. Aug. 1934.
- What makes "premium prices" for eggs? U. S. Egg and Poultry Mag. 40(6): 46-47. June 1934.
- POWERS, G. H. Causes of egg price fluctuations in Boston. New England Poultryman 8(4): 20. Apr. 15, 1934.
- WELLS, C. F. The effect of repeal on the use of grapes for wine and brandy. Amer. Wine and Liquor Jour. 2: 37, 39. Jan. 1935.

Bureau of Agricultural Engineering

- HUMPHRIES, W. R., and HURST, W. M. Moisture changes in some agricultural products due to atmospheric conditions. Agr. Engin. 16:8-11,12. Jan. 1935.
- SUTTON, J. G. Wood veneer pipe for draining agricultural lands. Agr. Engin. 16:12-13. Jan. 1935.
- YARNELL, D. L., and NAGLER, F. A. Flow of water around bends in pipes. Amer. Soc. Civ. Engin. Proc. 60:783-797. Aug. 1934.

Bureau of Animal Industry

- CHAPIN, R. M. The effect of hydrogen-ion concentration on the decomposition of hypohalites. Jour. Amer. Chem. Soc. 56 : 2211-2215. Nov. 1934.
- CHITWOOD, B. G. A new nematode, Camacolaimus prytherchi, n. sp. (Camacolaimidae). Helminthol. Soc. Wash., Proc. 2 : 49-50. Jan. 1935.
- Nomenclatorial notes, I. Helminthol. Soc. Wash., Proc. 2 : 51-54. Jan. 1935.
- COUCH, J. F. Lupine studies. VIII. The alkaloids of *Lupinus palmeri*, S. Wats. Jour. Amer. Chem. Soc. 56 : 2434-2436. Nov. 1934.
- BUNYEA, H., and CLAWSON, A. B. The relationship between time of administration and effectiveness of remedies for cyanide poisoning. Jour. Wash. Acad. Sci. 25 : 57-59. Feb. 15, 1935.
- GRAM, E. B. New avian and insect hosts for *Gongylonema ingluvicola* (Nematoda: Spiruridae). Helminthol. Soc. Wash., Proc. 2 : 59. Jan. 1935.
- DIKMANS, G. Lungworms collected from deer, *Odocoileus virginianus*, in Michigan. Helminthol. Soc. Wash., Proc. 2 : 59. Jan. 1935.
- Nematode parasites of the saiga antelope, *Saiga tatarica*. Helminthol. Soc. Wash., Proc. 2 : 57. Jan. 1935.
- A note on *Nematodirella* (Nematoda: Trichostrongylidae) from three different hosts. Helminthol. Soc. Wash., Proc. 2 : 58-59. Jan. 1935.
- A note on the identity of *Nematodirus tarandi* Hadwen, 1922, and *Nematodirus skrjabini* Mitzkewitsch, 1929 (Nematoda: Trichostrongylidae). Helminthol. Soc. Wash., Proc. 2 : 56. Jan. 1935.
- and WEHR, E. E. An unidentified nematode from the eye of the moose, *Alces americana*. Helminthol. Soc. Wash., Proc. 2 : 57. Jan. 1935.

PUBLICATIONS BY U.S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(Continued)

- JULL, M. A. Bigger incomes from better bred flocks. Poultry Farming 1 (2) : 4-7, 25. Feb. 1935
----- Now the uniform plan ... National breeding program in 1935 code. Hatchery Tribune 9 (2) : 12, 13. Feb. 1935
----- and BYERLY, T. C. Egg quality controlled by breeding and feeding increase poultry income. U.S. Egg and Poultry Mag. 41 (3) : 57, 59, 60, 62. Mar. 1935
----- and GODFREY, A. B. Mean annual egg weight in relation to mean weight of first ten eggs laid. New England Poultryman 20 (1) : 14, 46 Jan. 1935
KNOX, C. W. The future of progeny testing [Poultry] Hatchery Tribune 9 (2) : 16, 62-63. Feb. 1935
KRULL, W. H. A note on the life history of *Telorchis robustus* Goldb. (Trematoda: Telorchidae). Helminthol. Soc. Wash., Proc. 2 : 65. Jan. 1935.
LUCKER, J. T. Survival of horse strongyle eggs under anerobic conditions. Helminthol. Soc. Wash., Proc. 2 : 54-55. Jan. 1935.
McINTOSH, A. Tropical rat mite attacking man in St. Louis area. Helminthol. Soc. Wash., Proc. 2 : 62-63. Jan. 1935.
----- (With G. E. McIntosh) Additional notes on two bat parasites, *Dicrocoelium lasiuri* McIntosh, 1933 (Trematoda: Dicrocoeliidae) and *Litomosia americana* McIntosh, 1932 (Nematoda: Filariidae). Helminthol. Soc. Wash., Proc. 2 : 60-62. Jan. 1935.
MILLER, W. T. Studies on the transmission of bovine mastitis. Cornell Vet. 24 : 230-244. July 1934.
MOHLER, J. R. The spirit of the Bureau of Animal Industry. Bur. Vet. 11 (1) : 1-2. Jan. 1935.
PRICE, E. W., and McINTOSH, A. A new trematode, *Lyperosomum monenteron*, n. sp. (Dicrocoeliidae), from a robin. Helminthol. Soc. Wash., Proc. 2 : 63-64. Jan. 1935.
WRIGHT, W. H. Observations on the life history of *Toxascaris leonina* (Nematoda: Ascaridae). Helminthol. Soc. Wash., Proc. 2 : 56. Jan. 1935.

Bureau of Biological Survey

- CHEESMAN, WM. H. Killcohook Migratory Bird Refuge. Sci. Mo. 39 : 573-574, Dec. 1934.
COTTAM, C., and NELSON, A. L. Christmas bird census at Port Tobacco, Charles County, Maryland. Bird Lore 37 : 50-51. Jan./Feb. 1935.
COUCH, L. K. Chronological data on elk introduction into Oregon and Washington. Murrelet 16 : 3-6. Jan. 1935.
EARLING, J. H. The wildlife situation in the United States and its remedies. Amer. Field 123 : 131-132. Feb. 9, 1935.
GABRIELSON, I. N. Flower portraits of the western mountains. Natl. Waltonian 2 (7) : 4-5, 10, 10. Jan. 1935.
JEWETT, S. G. An albino mountain beaver. Murrelet 16 : 18. Jan. 1935.
----- The prairie falcon at Portland, Oregon. Murrelet 16 : 16. Jan. 1935.
----- A red phalarope disaster. Murrelet 16 : 15-16. Jan. 1935.
KIMBACH, E. R., SPERRY, C. C., WILLIAMS, C. S., and MAY, F. H. Christmas bird census at Marston Lake, Jefferson County, Colorado. Bird Lore 37 : 79. Jan./Feb. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils

- ALLISON, F. E. Carbohydrate supply as a primary factor in legume symbiosis. *Soil Sci.* 39: 123-143. Feb. 1935.
- BALLS, A. K., and HALE, W. S. On peroxidase. *Jour. Biol. Chem.* 107 : 767-782. Dec. 1934.
- DAVIS, R. O. E., SCHOLL, W. and MILLER, R. R. A high-nitrogen material from urea-ammoniated peat. *Indus. and Engin. Chem.* 27: 69-71. Jan. 1935. *Com. Fert.* 49(4): 19. Oct. 1934.
- DEMING, W. E. The chi-test and curve fitting. *Jour. Amer. Statis. Assoc.* 29: 372-382. Dec. 1934.
- Discussion of a paper by Beryl M. Dent, "On observations of points connected by a linear relation." *Phys. Soc. London Proc.* 47 : 106-108. Jan. 1935.
- (With Raymond T. Birge, Univ. of Calif., Berkeley) On the statistical theory of errors. *Phys. Rev.* 46 : 1027. Dec. 1, 1934.
- GROGGINS, P. H., and NAGEL, R. H. Studies in the Friedel and Crafts reaction. Preparation of ketones and keto acids. *Indus. and Engin. Chem.* 26: 1313. Dec. 1934.
- and STIRTON, A. J. Studies in the Friedel and Crafts reaction. Condensation of carboxylic acids. *Indus. and Engin. Chem.* 26: 1934. Dec. 1934.
- HILBERT, G. E., Wulf, O. R., Hendricks, S. B., and LIDDEL, U. A spectroscopic method for detecting some forms of chelation. *Nature* 135: 147-148. Jan. 26, 1935.
- KEANE, J. C., AMBLER, J. A., and BYALL, S. Impurities in which sugars. VII. Distribution of impurities in the sugar crystal. *Indus. and Engin. Chem.* 27 : 30-33. Jan. 1935.
- LOTHROP, R. E., and PAINE, H. S. A new method of processing honey. *Amer. Bee Jour.* 74: 542-543. Dec. 1934. Also, essentially the same material with various titles, in *Glass Packer* 13: 705-707. Nov. 1934. *Gleanings in Bee Culture* 62: 720-724. Dec. 1934. *Beekeepers Item* 18: 437-440. Nov. 1934. *Bees and Honey* 15: 229-231. Dec. 1934.
- McKILNEY, R. S., and JAMIESON, G. S. (With J. L. Carter, Bur. Plant Indus.) The determination of the oil content of soybeans. *Oil and Soap* 11: 252-253. Dec. 1934.
- MARSHALL, H. L., REYNOLDS, D. S., JACOB, K. D., and RADER, L. F., jr. Phosphate fertilizers by calcination process. Experiments with different phosphates. *Indus. and Engin. Chem.* 27 : 205-209. Feb. 1935. *Com. Fert.* 49(4): 15-16. Oct. 1934.
- PALKIN, S. The acids of pine oleoresin and rosin. *Jour. Chem. Ed.* 12: 35-40. Jan. 1935.
- PHILLIPS, M., and GOSS, M. J. The chemistry of lignin. IX. Lignin from barley straw. *Jour. Amer. Chem. Soc.* 56: 2707-2710. Dec. 1934.
- REYNOLDS, D. S., JACOB, K. D., MARSHALL, H. L., and RADER, L. F., jr. Phosphate fertilizers by calcination process. Factors affecting the reaction between water vapor and Florida land-pebble phosphate. *Indus. and Engin. Chem.* 27 : 87-91. Jan. 1935. *Com. Fert.* 49(4): 15. Oct. 1934.
- TURRENTINE, J. W. The international potash trade in 1933. *Amer. Fert.* 81(13): 8-12. Dec. 29, 1934.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(continued)

Bureau of Dairy Industry

- DICKSON, W. H., and KOPLAND, D. V. Feeding dairy cows with and without grain. Mont. Agr. Expt. Sta. Bul. 293. 23 p. Oct. 1934. (In cooperation)
- FLINT, R. F. There is no speedometer on progress. Natl. Butter and Cheese Jour. 26 (2): 88. Jan. 25, 1935.
- HARDELL, R. E. Greater demand for cheese created. Natl. Butter and Cheese Jour. 26 (2): 80. Jan. 25, 1935.
- KELLY, E. Comparison of bacteriological samples taken from cans and weigh tanks. Internatl. Assoc. Milk Dealers, Lab. Sec., (1934)27: 65-75. (Recd Jan. 1935)
- LEVITON, A., and LEIGHTON, A. The action of milk fat as a foam depressant. Jour. Dairy Sci. 18: 105-112. Feb. 1935.
- NICOLET, B. H. The special reactivity of peptides. Science 81: 181-182. Feb. 15, 1935.
- REED, O. E. Science has aided industry's growth. Natl. Butter and Cheese Jour. 26 (2): 52. Jan. 25, 1935.
- ROGERS, L. A., SHEERMAN, J. M., and HASTINGS, E. G. The nature of ropy milk. Report no.1. Bacteriological problems in milk plants. Internatl. Assoc. Milk Dealers, Assoc. Bul. 23. 7 p. Feb. 1, 1935. (With Cornell Agr. Expt. Sta., and Wis. Agr. Expt. Sta.)
- WEBB, B. H. Color development in lactose solutions during heating with special reference to the color of evaporated milk. Jour. Dairy Sci. 18: 81-96. Feb. 1935.
- WILSON, H. L. Cheese industry being developed in southern States. Natl. Butter and Cheese Jour. 26 (2): 30, 32. Jan. 25, 1935.

Bureau of Entomology and Plant Quarantine

- BUCHANAN, L. L. An apparently new species of North American Hylobius [H. radialis, new sp. 1] with synoptic key (Coleoptera: Curculionidae). Ent. Soc. Wash. Proc. 36: 252-256. Nov./Dec. 1934.
- BURGESS, A. F. The gypsy moth situation in Pennsylvania. Natl. Shade Tree Conf. Proc. (1934) 10: 26-31. 1934.
- BURNSIDE, C. E. A disease of young bees caused by a mucor. Amer. Bee Jour. 75: 75-76. Feb. 1935.
- BUSCK, A. A new myrmecophile Tineid from Brazil [Atticonviva eidmannella, new species] Ent. Soc. Wash. Proc. 36: 243-252. Nov./Dec. 1934.
- CLAYTON, C. P. Some general considerations in parasite introduction. Pacific Sci. Cong. 5th, Victoria and Vancouver, B. C., 1933. Proc. p.3525-3529. 1934.
- DAVIS, A. C. Note upon insects found in mushroom houses. Ent. Soc. Wash. Proc. 36: 269. Nov./Dec. 1934.
- EWING, H. E., and SMITH, F. F. The European tarsonemid strawberry mite identical with the American cyclamen mite. Ent. Soc. Wash. Proc. 36: 267-268. Nov./Dec. 1934.
- LIMING, O. N. The Dutch elm disease eradication program in the United States. Natl. Shade Tree Conf. Proc. (1934) 10: 67-75. 1934.
- MCGREGOR, E. A. A new spinning mite [Tetranychus yumensis, sp. nov.] on citrus at Yuma, Arizona. Ent. Soc. Wash. Proc. 36: 256-259. Nov./Dec. 1934.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(continued)

- NEWCOMER, E. J. Codling moth - A national problem. Oreg. State Hort. Soc. Ann. Rpt. (1934) 26: 76-78. (Recd Feb. 1935) Also in Better Fruit. 29(8): 8, 21. Feb. 1935.
- Killing worms in apple boxes by heating. Skookum News. 9(1): 2. Jan. 1935.
- Practical methods of orchard sanitation for the control of codling moth. Wash. State Hort. Assoc. Proc. (1934):30: 66-67. (Recd Feb. 1935) Also in Skookum News 9(1) 1, 4. Jan. 1935.
- Recent researches in insecticides: oil sprays. Pacific Sci. Cong. 5th, Victoria and Vancouver, B. C., 1933. Proc. p. 3419-3422. 1934.
- ROARK, R. C. Recent advances in the knowledge of derris and cube. Soap. 11(2): 97, 99, 105, 107. Feb. 1935.
- SAIMAN, K. A. Entomological factors affect salvaging of fire injured trees. Jour. Forestry. 32: 1016-1017. Dec. 1934.
- SAINT GEORGE, R. A., and HUCKENPAHLER, B. J. Distribution of moisture in pines. Jour. Forestry. 32: 885. Nov. 1934.
- WHITCOMB, W. The crating of package bees. Amer. Bee Jour. 75: 62-63, 80. Feb. 1935.
- WORTHLEY, L. H. Quarantine and control operations for the Japanese beetle in the United States. Ent. Soc. Ontario, Ann. Rpt. (1933)64: 32-36. 1934.
- YOTHERS, M. A. Report on the introduction of Aphelinus mali Hald, a parasite of the woolly apple aphid in the Wenatchee, Washington, District. Wash. State Hort. Assoc. Proc. (1934)30: 68-71. (Recd Feb. 1935)
- YOTHERS, W. W., and MILLER, R. L. Methods for determining rust-mite abundance. Fla. State Hort. Soc. Proc. (1934)47: 53-55. (Recd Jan. 1935)

Bureau of Plant Industry

- BLAKE, S. F. A new plant of the genus Polygala from Mexico. Biol. Soc. Wash. Proc. 48:31-32. Feb. 6, 1935.
- CHARLES, V. K. A little known pecan fungus. Mycologia 27:74-82. Jan./Feb. 1935.
- COBB, N. A. A key to the genera of free-living nemas. Checked, revised and prepared for the press by M.V. Cobb and C. Cooper. Helminthol. Soc. Wash. Proc. 2:1-40. Jan. 1935.
- DARROW, G. M. Factors affecting rotation crop for strawberries. Amer. Fruit Grower 55(1):11-29; (2):10, 27. Jan., Feb. 1935.
- DRECHSLER, C. Some conidial Phycomycetes destructive to terricolous Amoebae. Mycologia 27:6-40. Jan./Feb. 1935.
- GOULD, H. P. Cultivo de la higuera en climas húmedos. Bol. Unión Panamer. 69:60-75, 139-153. Jan., Feb. 1935. (Translation, with some adaptations, of Farmers' Bul. 1031)
- HARLEY, C. P. Water-core. Wash. State Hort. Assoc. Proc. (1934) 30: 105-108. (Recd Feb. 1935)
- MANN, C. W. Refrigeration vs. ventilation of oranges in spring shipments. Calif. Citrogr. 20:122, 149. Mar. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- POPE, M. N. Fifteen years of selection in six varieties of barley.
Jour. Amer. Soc. Agron. 27:142-148. Feb.1935. (With Idaho Agr. Expt. Sta.)
- RICKER, P. L. Dutchman's breeches and its relatives.. Wild Flower Preservation Soc. Circ.40. 4 p. Dec.10, 1934.
- Our native orchids and their culture. Wild Flower Preservation Soc. Circ.41. 5 p. Jan.15, 1935.
- Pitcher plants. Wild Flower Preservation Soc. Circ.39. 6 p. Sept.1, 1934.
- RITCHIEY, G. E. The Suwannee cowpea. Florida Agr. Expt. Sta. Press Bull.472. 2 p. Feb.1935. (In cooperation)
- RYALL, A. L. Discussion, Flucrine spray residue removal. Wash. State Hort. Assoc. Proc. (1934) 30:86-87. (Recd Feb.1935)
- SIGGERS, P. V. Slash-disposal methods in logging shortleaf pine. So. Forest Expt. Sta. Occas. Papers no.42. 5 p. Feb.7,1935.
- SMITH, E. Discussion, spray residue removal. Wash. State Hort. Assoc. Proc. (1934) 30: 85. (Recd Feb.1935)
- STEINBERG, R. A. The nutritional requirements of the fungus, *Aspergillus niger*. Bull. Torrey Bot. Club 62:81-90. Feb.1935.
- STEVENS, N. E. Suggestions for a Pan-Pacific survey of rice diseases. Pacific Sci. Cong., 5th, Victoria and Vancouver, B.C., 1933. Proc. p.3239-3240. 1934.
- SWINGLE, W. T. Pictographic books of the Nashi people. U. S. Libr. Cong. Rot. Librarian 1933/34: 153-158. 1934.
- TAYLOR, J. W., and QUISENBERRY, K. S. Inheritance of rye crossability in wheat hybrids. Jour. Amer. Soc. Agron. 27:149-153. Feb.1935.
- TIDESTROM, I. New Arizona plant names. Biol. Soc. Wash. Proc. 48: 39-44. Feb.6, 1935.
- TOOLE, E. H. Germination of Italian ryegrass seed. Assoc. Off. Seed Analysts News Letter 9(1): 6. Jan. 1935.
- WOOD, J. I. Diseases and fungi reported on rice. Pacific Sci. Cong., 5th, Victoria and Vancouver, 1933. Proc. p.3241-3246. 1934.

Bureau of Public Roads

- ALLEN, T.W. Highway work in the United States - Pt.8, Highway construction. Highways and Bridges 1(30):6-7,10. Jan.8,1935.
- HOGENTOGLER, C. A., and JOHNSTON, C. M. Design and construction of low-cost road surfaces - Pt.2 - Study of soils in relation to the stability of pavements. Canad. Engin.68(5):5-10. Jan.29,1935.
- MACDONALD, T.H. A four year record of employment in road building. Contract. and Engin.Monthly 30(1): 1,13. Jan.1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK *

Alabama

DUGGAR, J. F. The effects of inoculation and fertilization of Spanish peanuts on root nodule numbers. Jour. Amer. Soc. Agron. 27(2): 128-133. Feb. 1935.

Arkansas

ROSEN, H. R. Black-spot and powdery mildew in the Middle West and South. (In The American rose annual, p. 118-120, Harrisburg, Pa., The American rose society, 1934)

California

ALLEN, R. F. A cytological study of heterothallism in flax rust. Jour. Agr. Research [U. S.] 49(9): 765-791. Nov. 1, 1934. (In cooperation with U. S. Dept. Agr.)

CHAPMAN, H. D. Inorganic phosphate in green plant tissue as a measure of phosphate availability. Soil Sci. 39(2): 111-122. Feb. 1935.

FOLGER, A. Winter exposure. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 20(1934): 49-51. 1934.

MEAD, S. W., and GOSS, H. The digestibility of a roughage-free diet by ruminants. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 20(1934): 48. 1934.

NELSON, D. H. Factors affecting economical manufacture, uniformity in composition and quality of butter. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 20(1934): 66-71. 1934.

Connecticut (State)

JONES, D. F., SINGLETON, W. R., and CURTIS, L. C. The correlation between tillering and productiveness in sweet corn crosses. Jour. Amer. Soc. Agron. 27(2): 138-141. Feb. 1935.

MORGAN, M. F. Soil factors in relation to proposed plains shelter belt plantings. Jour. Forestry 33(2): 137-138. Feb. 1935.

Florida

BARNETTE, R. M., and WARNER, J. D. A response of chlorotic corn plants to the application of zinc sulfate to the soil. Soil Sci. 39(2): 145-159. Feb. 1935.

BRYAN, O. C., and BECKER, R. B. The mineral content of soil types as related to "salt sick" of cattle. Jour. Amer. Soc. Agron. 27(2): 120-127. Feb. 1935. (O. C. Bryan, Univ. Fla.)

CAMP, A. F. Zinc sulphate as a soil amendment in citrus groves. Fla. State Hort. Soc. Proc. 47(1934): 33-38. [1934]

GADDUM, L. W. Glucosides and minerals in citrus fruits. Fla. State Hort. Soc. Proc. 47(1934): 83-85. [1934]

TIEDALE, W. B. Diseases of lime trees. Fla. State Hort. Soc. Proc. 47(1934): 123-125. [1934]

WATSON, J. R. Earth pearls of citrus roots. Fla. State Hort. Soc. Proc. 47(1934): 55-56. [1934]

*Prepared in Office of Experiment Stations Library

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Idaho

THEOPHILUS, D. R. Influence of growth temperature on the thermal resistance of some aerobic spore-forming bacteria from evaporated milk. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 20(1934): 64-65. 1934.

Illinois

ADAMSTONE, F. B., and CARD, L. E. The effects of vitamin E deficiency on the testis of the male fowl (*Gallus domesticus*). Jour. Morphology 56(2): 339-359. Sept. 1934. (F. B. Adamstone, Univ. Ill.)

ADAMSTONE, F. B., and CARD, L. E. A study of the spermatozoon of the fowl, with particular reference to osmophilic bodies in the sperm head. Jour. Morphology 56(2): 325-337. Sept. 15, 1934. (F. B. Adamstone, Univ. Ill.)

MITCHELL, H. H. Balanced diets, net energy values and specific dynamic effects. Science n.s. 80(2085): 558-561. Dec. 14, 1934. (Discussion.)

RUEHE, H. A., and RAMSEY, R. J. Intensifying flavor and aroma in butter by adding to cream a distillate from the starter. Milk Plant Monthly 24(2): 40. Feb. 1935.

Indiana

HAUGE, S. M. Evidence of enzymatic destruction of the vitamin A value of alfalfa during the curing process. Jour. Biol. Chem. 108(2): 331-336. Feb. 1935.

Iowa

ERRINGTON, P. L. (With L. J. BENNETT) Iowa duck studies. Amer. Game Conf. Trans. 20(1934): 249-257. [1934?] (Cooperating with Fish and Game Commission)

ROSS, J. E. and EDGAR, R. The cleaning of weighted silk fabrics. Jour. Home Econ. 27(2): 106-110. Feb. 1935. (Research)

SCHULTZ, T. W. Discussion of "AAA as a force in recovery," by J. S. Davis. Jour. Farm Econ. 17(1): 17-19. Feb. 1935.

SMITH, F. B., and BROWN, P. E. The decomposition of lignin and other organic constituents by certain soil fungi. Jour. Amer. Soc. Agron. 27(2): 109-119. Feb. 1935.

SMITH, F. B., BROWN, P. E., and MILLAR, H. C. The rhythmical nature of microbiological activity in soil as indicated by the evolution of carbon dioxide. Jour. Amer. Soc. Agron. 27(2): 104-108. Feb. 1935.

WILKINS, F. S. Effect of over-grazing on Kentucky bluegrass under conditions of extreme drouth. Jour. Amer. Soc. Agron. 27(2): 159. Feb. 1935. (Note)

Kansas

FAY, A. C. Escherichia-Aerobacter groups of bacteria in ice cream. Ice Cream Rev. 18(7): 38-39. Feb. 1935.

GRIMES, W. E. Discussion of "Planning, control and research in agriculture after recovery," by John D. Black. Jour. Farm Econ. 17(1): 37-38. Feb. 1935.

WESS, K., and READHIMER, D. Speedy and accurate weighing. Jour. Home Econ. 27(2): 111. Feb. 1935.

Kentucky

NICHOLLS, W. D. Discussion of "Program of the Federal government for the purchase and use of submarginal land," by C. F. Clayton. Jour. Farm Econ. 17(1): 63-66. Feb. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Maine

- GOWEN, J. W. The gene as a factor in pathology. (In Cold Spring Harbor, L.I., N.Y. Cold Spring Harbor symposia on quantitative biology 2: 128-136. 1934)

Massachusetts

- BEAUMONT, A. B. Toxicity of several chemicals to a species of moss common to old pastures in the New England states. Jour. Amer. Soc. Agron. 27(2): 134-137. Feb. 1935.
- GUBA, E. F. Slime flux. Natl. Shade Tree Conf. Proc. 10(1934): 56-60. [1934]

Michigan

- GRIZZARD, A. L. Effects of soil type and soil treatments on the chemical composition of alfalfa plants. Jour. Amer. Soc. Agron. 27(2): 81-99. Feb. 1935.

Minnesota

- MARKLEY, M. C., and BAILEY, C. H. Determination of the carotenoid pigment concentration of small samples of whole wheat. Cereal Chem. 12(1): 49-53. Jan. 1935.
- MARKLEY, M. C., and BAILEY, C. H. The nature of the pigments of the gasoline extract of wheat. Cereal Chem. 12(1): 33-39. Jan. 1935.
- MARKLEY, M. C., and BAILEY, C. H. The pigments of the dilute alcohol or acetone extract of whole wheat meal. Cereal Chem. 12(1): 40-48. Jan. 1935.
- WAITE, W. C. Economic bases and objectives of public regulation of the milk industry. Jour. Farm Econ. 17(1): 101-108. Feb. 1935.

Missouri

- WINN, C. C., and REID, W. H. E. Air conditioning and its value in the dairy manufacturing industry. Milk Plant Monthly 24(2): 42-44. Feb. 1935.
(C. C. Winn, Dean of Engin., Detroit Inst. Tech.)

Montana

- TRETSEVEN, J. O. Rye as a grain feed for dairy cattle. Dairy Sci. Assoc. (West. Div.) Proc. 20(1934): 42-47. 1934.

New Jersey

- BLAIR, A. W. Interpreting fertilizer analyses with reference to the sources of nitrogen. Amer. Fert. 82(4): 5-6, 26. Feb. 23, 1935. (Also issued as Agr. Expt. Sta. Circ. 331)
- HAMILTON, C. C. Experiments in the control of boring insects. Natl. Shade Tree Conf. Proc. 10(1934): 31-36. [1934]
- KIRSH, D. Factors influencing the activity of fungus lipase. Jour. Biol. Chem. 108(2): 421-430. Feb. 1935.
- MATSON, S., and CSIKY, J. S. The laws of soil colloidal behavior: XVI. The cation exchange-maximum in aluminosilicates. Soil Sci. 39(2): 161-165. Feb. 1935.
- STARKEY, R. L. Products of the oxidation of thiosulfate by bacteria in mineral media. Jour. Gen. Physiol. 18(3): 325-349. Jan. 30, 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

New Mexico

CUNNINGHAM, O. C., and ADDINGTON, L. H. The value for milk production of alfalfa hay injured by sulfur dioxide gas. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 20(1934): 39-41. 1934.

New York (State)

CONN, H. J., and DARROW, M. A. Characteristics of certain bacteria belonging to the autochthonous microflora of soil. Soil Sci. 39(2): 95-110. Feb. 1935.

JAHN, T. L. Problems of population growth in the protozoa. (In Cold Spring Harbor, L.I., N.Y. Cold Spring Harbor symposia on quantitative biology 2: 167-176. 1934.)

KERTESZ, Z. I., HORSTALL, J. G., and ROUSE, A. H. Aberrations in the chemical composition of peas from plants affected with root rot. Jour. Agr. Research [U. S.] 49(9): 799-814. Nov. 1, 1934.

New York (Cornell)

ALLEN, A. A. Breeding season behavior of the Ruffed Grouse. Amer. Game Conf. Trans. 20(1934): 311-322. 1934. (Cooperating with the N. Y. State Conservation Dept.)

GUTHRIE, E. S. The Vogt method of manufacturing flake buttermilk. Jour. Dairy Sci. 18(2): 139-140. Feb. 1935.

MASSEY, L. M. Black-spot and mildew: let's control them. (In The American rose annual. p. 121-127. Harrisburg, Pa., The American rose society. 1934)

NORRIS, L. C. Some studies of the nutritive requirements of pheasants. Amer. Game Conf. Trans. 20(1934): 304-310. [1934?]

RAHN, O. Chemistry of cell growth. I, II. (In Cold Spring Harbor, L.I., N.Y. Cold Spring Harbor symposia on quantitative biology 2: 57-60; 63-68. 1934)

RAHN, O. Chemistry of death. (In Cold Spring Harbor, L.I., N.Y. Cold Spring Harbor symposia on quantitative biology 2: 70-75. 1934)

RAHN, O. The physico-chemical basis of biological radiations. (In Cold Spring Harbor, L.I., N.Y. Cold Spring Harbor symposia on quantitative biology 2: 226-232, illus. 1934)

RAHN, O., (With M. M. MASON, Cornell Univ.) A protractor for computing the growth rate of bacteria. Jour. Bact. 29(2): 99-102. Feb. 1935.

ROMANOFF, A. L. Incubation of game birds' eggs. Amer. Game Conf. Trans. 20 (1934): 298-300. [1934?] (Cooperating with the N. Y. Conservation Dept.)

WIGGANS, R. G. Pole beans vs. soybeans as a companion crop with corn for silage. Jour. Amer. Soc. Agron. 27(2): 154-158. Feb. 1935.

WYMAN, D. Recent developments in the Cornell shade tree experiments. Natl. Shade Tree Conf. Proc. 10(1934): 111-114. [1934]

North Dakota

HANSON, H. C. A comparison of methods of botanical analysis of the native prairie in western North Dakota. Jour. Agr. Research [U. S.] 49(9): 815-842. Nov. 1, 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

Ohio

- BAYFIELD, E. G. Soft winter wheat studies. III. The effect of some factors influencing viscosity and protein. Cereal Chem. 12(1): 1-16. Jan. 1935.
- HOUSER, J. S. Shade tree insects of the Middle West and their control. Natl. Shade Tree Conf. Proc. 10(1934): 4-9. [1934]

Oregon

- WILSTER, G. H. Methods of cooling and storing cream for Oregon dairy farms; influence on the quality of butter which can be manufactured. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 20(1934): 77-81. 1934.

Pennsylvania

- REID, R. D. Some properties of a bacterial-inhibitory substance produced by a mold. Jour. Bact. 29(2): 215-221. Feb. 1935.

Texas

- EZEKIEL, W. N., and TAUBENHAUS, J. J. Cotton crop losses from Phymatotrichum root rot. Jour. Agr. Research [U. S.] 49(9): 843-858. Nov. 1, 1934.
- FRAPS, G. S., and STERGES, A. J. Effect of sunlight on the nitrification of ammonium salts in soils. Soil Sci. 39(2): 85-94. Feb. 1935.

Virginia

- PRATT, A. D., and EDGE, H. A. A watering device for experimental work. Jour. Dairy Sci. 18(2): 129-130. Feb. 1935.

Washington

- BENDIXEN, H. A. A study of some of the physical changes involved in the rennet coagulation of milk and the subsequent firming of the curd. Amer. Dairy Sci. Assoc. (West Div.) Proc. 20(1934): 72-76. 1934.

West Virginia

- THURSTON, L. M., and BARNHART, J. L. A study of the relation of materials adsorbed on the fat globules to the richness of flavor of milk products. Jour. Dairy Sci. 18(2): 131-137. Feb. 1935.

Wisconsin

- DEOBALD, H. J., and ELVEHJEM, C. A. The effect of feeding high amounts of soluble iron and aluminum salts. Amer. Jour. Physiol. 111(1): 118-123. Feb. 1, 1935.
- LEOPOLD, A. Necessity for game research. Amer. Game Conf. Trans. 20(1934): 92-95. [1934?]
- TEMPLETON, H. L., and SOMMER, H. H. The use of citric acid and sodium citrate in buttermaking. Jour. Dairy Sci. 18(2): 97-104. Feb. 1935.
- WEHRWEIN, G. S. Discussion of "The report on land of the National resources board," by M. L. Wilson. Jour. Farm Econ. 17(1): 50-54. Feb. 1935.

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LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1935*

Arizona

- Spray compatibility chart of insecticides and fungicides. F. Draper.
(Ariz. Agr. Col. Ext. Circ. 83.) Tucson, 1934.
Arizona agricultural situation, 1935. G. W. Barr. Ariz. Agr. Col. Ext.
[unnumbered] Tucson, 1935.

Arkansas

- Annual report Extension service, College of agriculture, University of
Arkansas... fiscal year July 1, 1933 to June 30, 1934 with report of
field activities, December 1, 1933 to November 30, 1934. D. T. Gray.
(Ark. Agr. Col. Ext. Circ. 335.) 524 Post Office Bldg., Little Rock, 1935.

Colorado

- Program for the poultry industry of the state of Colorado. O. C. Ufford.
(Colo. Agr. Col. Ext. Circ. 87-A.) Fort Collins, 1935.
Digest of state and federal emergency programs in which Extension service,
Colorado Agricultural college is cooperating with United States Depart-
ment of agriculture, Agricultural adjustment administration, Farm credit
administration, Federal housing administration, Emergency relief adminis-
tration, State planning board. Colo. Agr. Col. Ext. [unnumbered]
Fort Collins, 1935.
Mimeographed.

Connecticut

- The outlook for Connecticut agriculture in 1935. (Conn. Agr. Col.
Ext. Econ. Digest for Conn. Agr. no. 57.) Storrs, 1934.

Georgia

- The agricultural outlook for Georgia in 1935. W. A. Minor, jr. and others.
(Ga. Agr. Col. Ext. Bul. 447.) Athens, 1934.
One-variety community cotton production. E. C. Westbrook. (Ga. Agr. Col.
Ext. Bul. 449.) Athens, 1935.

Illinois

- Bramble fruit, raspberries, blackberries, dewberries. How to grow in Illinois.
A. S. Colby and others. (Ill. Agr. Expt. Sta. Circ. 427.) Urbana, 1935.

Indiana

- Feeding for eggs. C. W. Carrick. (Purdue Univ. Dept. Agr. Ext. Bul. 185,
rev.) Lafayette, 1934.
Rations for swine. (Purdue Univ. Dept. Agr. Ext. Leaflet 157, rev. ed.)
Lafayette, 1934.
Daily food reminder, fifth revised edition. A. Beadle and D. Muehl.
(Purdue Univ. Dept. Agr. Ext. [unnumbered] Lafayette, 1934.

*Prepared in the Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1935

(continued)

Kansas

The general economic situation as it will affect agriculture in Kansas during the fall and winter of 1934-1935. B. W. Wright and others. (Kans. State Col. Ext. Circ. 107.) Manhattan, 1934.

Why an adjustment program. B. W. Wright and others. (Kans. State Col. Ext. Circ. 110.) Manhattan, 1934.

Kentucky

Home canning. F. Imlay. (Ky. Agr. Col. Ext. Circ. 220, rev.) Lexington, 1934.

Garden project, 4-H clubs. J. S. Gardner. (Ky. Agr. Col. Ext. Circ. 222, rev.) Lexington, 1934.

Maine

10 years in Maine orchards. (Maine Agr. Col. Ext. Bul. 214.) Orono, 1934.

Maryland

Maryland spray calendar for apples and peaches, 1935. (Md. Univ. [Agr.], Ext. Circ. 109.) College Park, 1935.

Michigan

Wood identification for 4-H clubs. R. F. Kroodsma and others. (Mich. State Col. Ext. Club Bul. 26.) East Lansing, 1934.

Household closets and storage spaces. J. Pond and E. Turner. (Mich. State Col. Ext. Bul. 142.) East Lansing, 1934.

Refinishing furniture. G. Reis. (Mich. State Col. Ext. Course Notes 103, rev.) East Lansing, 1934.

Minnesota

Clothing project, second year, School girl's cotton or linen outfit. M. Schenck and A. Wessel. (Minn. Univ. Agr. Ext. 4-H Bul. 5, rev.) University Farm, St. Paul, 1934.

Clothing project, third year, fall and winter outfit. M. Schenck and A. Wessel. (Minn. Univ. Agr. Ext. 4-H Bul. 6, rev.) University Farm, St. Paul, 1934.

Bread making project. (Minn. Univ. Agr. Ext. Minn. Boys' and Girls' Club Bul. 8, rev.) University Farm, St. Paul, 1934.

The 4-H club dairy calf project. H. R. Searles. (Minn. Univ. Agr. Ext. Minn. Boys' and Girls' Clubs Bul. 9 [rev.]) University Farm, St. Paul, 1934.

Canning project. A. Wessel and M. Schenck. (Minn. Univ. Agr. Ext. Minn. Boys' and Girls' Clubs Bul. 17 [rev.]) University Farm, St. Paul, 1934.

The farm program for 1935. A. Boss. (Minn. Univ. Agr. Ext. Minn. Farm Business Notes no. 145, p. 1-6) University Farm, St. Paul, 1935.

Mimeographed.

Mississippi

Utilize the rented acres to grow food, feed, fertility for use in the home, on the farm. F. J. Hurst. (Miss. State Col. Ext. Leaflet 1.) State College, 1934.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1935
(continued)

Missouri

Food and nutrition club. Food preservation I. F. L. Carl and J. Hinote.
(Mo. Agr. Col. Ext. 4-H Club Circ. 33 [rev.]) Columbia, 1934.

Montana

4-H dinner club recipes. M. Euren and F. Smith. (Mont. State Col. Ext. Bul. 119, Supp.) Bozeman, 1934.

Nebraska

Boys' and girls' 4-H clubs. (Nebr. Agr. Col. Ext. Circ. Q-01-2, rev.)
Lincoln, 1934.

New York

Songs. Chosen by A. D. Zanzig. (N. Y. Agr. Col. (Cornell) Ext. Bul. 298.)
Ithaca, 1934.

Clipped hedges and their uses. D. Wyman and R. W. Curtis. (N. Y. Agr. Col. (Cornell) Ext. Bul. 311.) Ithaca, 1935.

Tree bracing and wound treatment in the orchard. L. H. MacDaniels. (N. Y. Agr. Col. (Cornell) Ext. Bul. 312.) Ithaca, 1935.

Protecting orchard crops from diseases and insects in the Hudson valley.
C. R. Crosby and W. D. Mills. (N. Y. Agr. Col. (Cornell) Ext. Bul. 314.)
Ithaca, 1935.

The ventilation of poultry houses. F. L. Fairbanks and A. M. Goodman. (N. Y. Agr. Col. (Cornell) Ext. Bul. 315.) Ithaca, 1935.

North Dakota

Control grasshoppers. J. A. Munro and F. D. Butcher. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumbered]) State College Station, Fargo, 1934.

The contracted wheat acres - What to do with them. By the Department of Agronomy, North Dakota Agricultural College. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumbered]) State College Station, Fargo, 1934.

Ohio

Vitamins. M. Powell and J. F. Lyman. (Ohio Agr. Col. Ext. Bul. 54, rev.)
Columbus, 1934.

The control of garden insects and diseases. T. H. Parks and A. L. Pierstorff.
(Ohio Agr. Col. Ext. Bul. 76, rev.) Columbus, 1934.

Pork production in Ohio. J. W. Wuichet. (Ohio Agr. Col. Ext. Bul. 78, 4th ed., rev.) Columbus, 1934.
References, p. 48.

Wheat growing in Ohio. E. Jones and others. (Ohio Agr. Col. Ext. Bul. 81, rev.) Columbus, 1934.

Potato growing in Ohio. E. B. Tussing. (Ohio Agr. Col. Ext. Bul. 86, 3d ed. rev.) Columbus, 1934.

The school child's food. L. C. Ogle. (Ohio Agr. Col. Ext. Bul. 111, rev.)
Columbus, 1934.

Praying program and pest control for fruit crops. Prepared by the Departments of Botany, Entomology and Horticulture of the Ohio State university and the Ohio Agricultural experiment station. (Ohio Agr. Col. Ext. Bul. 128, rev.)
Columbus, 1934.

References, p. 48.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1935
(continued)

Ohio (Continued)

- Fertilizing field crops in Ohio. R. M. Salter and E. Jones. (Ohio Agr. Col. Ext. Bul. 136, rev.) Columbus, 1934.
- Alfalfa in Ohio farming. R. D. Lewis and others. (Ohio Agr. Col. Ext. Bul. 137, rev.) Columbus, 1934.
- 4-H club member's book. Clothing I. Useful articles (for the inexperienced) E. M. Callahan and H. Horst. (Ohio Agr. Col. Ext. 4-H Circ. 87, rev.) Columbus, 1934.
- 4-H club member's book. Clothing II (Useful articles for the experienced) E. Teal and H. Horst. (Ohio Agr. Col. Ext. 4-H Circ. 88, rev.) Columbus, 1934.
- 4-H club member's book. Clothing III - The well dressed 4-H club girl. E. M. Callahan and H. Horst. (Ohio Agr. Col. Ext. 4-H Circ. 89, rev.) Columbus, 1934.
- 4-H club member's book. Nutrition I. Dishes from home-grown foods. A. L. Garvin and others. (Ohio Agr. Col. Ext. 4-H Circ. 91, rev.) Columbus, 1934.
- 4-H club member's book. Nutrition II. The single meal from home grown foods. A. L. Garvin and others. (Ohio Agr. Col. Ext. 4-H Circ. 92, rev.) Columbus, 1934.
- Attractive rooms for 4-H club members. A. Biebricher and the 4-H Club Department. (Ohio Agr. Col. Ext. 4-H Circ. 95.) Columbus, 1934.
References, p. 40.
- Flower gardening, III and IV. V. H. Ries. (Ohio Agr. Col. Ext. 4-H Circ. 96.) Columbus, 1934.
- 4-H club member's book. Home furnishing I. Restful sleep and convenient dressing in the attractive room. A Biebricher and H. Horst. (Ohio Agr. Col. Ext. 4-H Circ. 97.) Columbus, 1934.
- The 4-H president's book. By the 4-H Club Department. (Ohio Agr. Col. Ext. 4-H Circ. 98.) Columbus, 1934.
- The 4-H recreation leader. R. B. Tom. (Ohio Agr. Col. Ext. 4-H Circ. 99.) Columbus, 1934.

Pennsylvania

- Control of tobacco wildfire. W. S. Beach and R. S. Kirby. (Penn. State Col. Ext. Circ. 145.) State College, 1934.
- Colony houses and hog lot equipment. L. C. Madison. (Penn. State Col. Ext. Circ. 152.) State College, 1934.
- Home canning, vegetables, fruits, meats. G. F. Bacon. (Penn. State Col. Ext. Circ. 153.) State College, 1934.
- Pastures, old and new. J. B. R. Dickey. (Penn. State Col. Ext. Circ. 154.) State College, 1934.
- Asparagus. W. B. Nissley. (Penn. State Col. Ext. Leaflet 32.) State College, 1934.
- Insect control recommendations prepared by H. E. Hodgkiss.
- Celery. W. B. Nissley. (Penn. State Col. Ext. Leaflet 33.) State College, 1934.
- Insect control recommendations prepared by H. E. Hodgkiss.
- Sweet corn. W. B. Nissley. (Penn. State Col. Ext. Leaflet 34.) State College, 1934.
- Insect control recommendations prepared by H. E. Hodgkiss.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1935
(continued)

South Carolina

- Poultry keeping in South Carolina. I. The poultry situation in South Carolina. II. Results of seven years' record-keeping on farm flocks. C. L. Morgan and P. H. Gooding. (Clemson Agr. Col., S. C., Ext. Circ. 137.) Clemson College, 1935.
- Feeding schedule for dairy cattle. Daily feed records for dairy cows at different production levels for different weights. (Clemson Agr. Col., S. C., Inform. Card 46.) Clemson College, 1935.

South Dakota

- Turkey production in South Dakota. O. J. Weisner and G. S. Weaver. (S. Dak. State Col. Ext. Circ. 292, rev.) Brookings, 1934.
References, p. 30-31.
- Home entertainment and hospitality. M. A. Covert. (S. Dak. State Col. Ext. Circ. 345.) Brookings, 1934.
Mimeographed.
- Soups and their accessories. S. Z. Wilder. (S. Dak. State Col. Ext. Circ. 346.) Brookings, 1934.
- Inexpensive salads from home produced products. S. Z. Wilder. (S. Dak. State Col. Ext. Circ. 347.) Brookings, 1934.
- Special instructions for the adjustments and the care of the sewing machine. (S. Dak. State Col. Ext. Circ. [i.e. Spec. Ext. Circ.] 36.) Brookings, 1934.
Mimeographed.
- Effective and inexpensive bracing methods for farm buildings. R. L. Patty. (S. Dak. State Col. Spec. Ext. Circ. 37.) Brookings [1934?] Mimeographed.
- Games for community meetings. (S. Dak. State Col. Spec. Ext. Circ. 38.) Brookings [1934?]
Mimeographed.
- Directions for laying out the foundation for a building. R. L. Patty. (S. Dak. State Col. Spec. Ext. Circ. 41.) Brookings [1934?]
Mimeographed.
- Meat sundries, how to prepare and use them. I. B. Johnson and S. Z. Wilder. (S. Dak. State Col. Spec. Ext. Circ. 43.) Brookings, 1935.
- South Dakota agricultural outlook for 1935. (S. Dak. State Col. Farm Econ. Review and Outlook Circ. Letter no. 115.) Brookings, 1935.

Texas

- Gardening. J. F. Rosborough. (Tex. Agr. Col. Ext. [Bul.] B-70 [rev.]) College Station, 1934.
- Poultry yard equipment. E. N. Holmgreen. (Tex. Agr. Col. Ext. [Bul.] B-71 [rev.]) College Station, 1934.
- Bed rooms of comfort. B. Claytor. (Tex. Agr. Col. Ext. [Bul.] B-75 [rev.]) College Station, 1934.
- From rags to rugs. B. Claytor and M. L. Hayden. (Tex. Agr. Col. Ext. [Bul.] B-77, rev.) College Station, 1934.
- Canning fruits and vegetables. (Tex. Agr. Col. Ext. [Bul.] B-85.) College Station, 1934.

Vermont

- Foods for 4-H clubs. Mothers' maids, handbook for first year. L. V. Anderson.
Vt. Agr. Col. Ext. [unnumbered] Burlington, 1934.
Foods for 4-H clubs. Little cooks, handbook for second year. L. V. Anderson.
Vt. Agr. Col. Ext. [unnumbered] Burlington, 1934.

West Virginia

- Orchard spraying guide for West Virginia. Spray schedules, spraying methods and materials. E. C. Sherwood. (W. Va. Agr. Col. Ext. Circ. 304, rev.) Morgantown, 1935.
Consider the children. T. Dower-Jones and G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. II, Lesson no. 9, Further Adventures in Good Living. Morgantown [1934?])
Parents in step with the times. T. Dower-Jones and G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. II, Lesson no. 10, Further Adventures in Good Living.) Morgantown [1934?]
Safeguarding health. H. C. Cameron. (W. Va. Agr. Col. Ext. Good Living Ser. II, Lesson no. 11, Further Adventures in Good Living.) Morgantown. [1934?]
Homes of harmony. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. II, Lesson no. 12. Further Adventures in Good Living.) Morgantown [1934?]
The farm home up-to-date. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. III, Lesson no. 3, Adventures in Better Living.) Morgantown [1935]

Wisconsin

- Rural youth and rehabilitation. E. L. Kirkpatrick. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered]) Madison, 1935.
Rural Youth and Rural Life Series. (Mimeographed)

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MISCELLANY

Webster's New International Dictionary, second edition, 1934, as a "botanical reference book" is reviewed in Science for February 22, 1935, p. 201, by H. A. Gleason of the New York Botanical Garden.

A "Sketch of the history of the Philadelphia Society for Promoting Agriculture prepared for the celebration of the 150th anniversary of its foundation", by Rodney H. True of the University of Pennsylvania, has recently been issued by the Society. A portrait of John Beale Bordley, founder of the Society, appears as the frontispiece.

The recent book by Charles A. Beard entitled "The Open Door" is reviewed by Secretary Wallace in The New Republic for January 1935, pp. 225-227. In conclusion he says that he trusts the book will be debated up and down the breadth of the land.

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SELECTED LIST OF MIMSOGRAPHED PUBLICATIONS

of the U. S. Department of Agriculture

received during February 1935, exclusive bibliographies* and current issues of
serials.**

Discussion: a brief guide to methods. 1935. 10 p.

Discussion group topic no. 1-2. 1935.

Preliminary statement of a cotton research program. 1935. 157 p.

Office of the Secretary

Testimony of Henry A. Wallace at hearing before the Senate agricultural committee on cotton exports, Jan. 30, 1935. 15 p.

Foreign competition and demand. Statement of Rexford G. Tugwell before Senate committee on agriculture and forestry, Jan. 30, 1935. 12 p.

The problem of social insecurity. Address of R. G. Tugwell, Chicago dental society, Feb. 19, 1935. 19 p.

The progressive tradition. Address by R. G. Tugwell at Union College, Schenectady, N. Y., January 25, 1935. 21 p.

Farm records and farm adjustment; a radio talk by M. L. Wilson, National farm and home hour, Jan. 22, 1935. 2 p.

Land use in relation to general farm policy. Radio address by M. L. Wilson on the National farm and home hour, Feb. 1, 1935. 4 p.

Agricultural Adjustment Administration

Agricultural adjustment, present and future. Speech by Chester C. Davis, before Illinois agricultural association, in Quincy, Ill., Jan. 30, 1935. 14 p.

Agriculture, industry, and the AAA. Address delivered by George E. Farrell at the annual convention of the Utah state farm bureau federation, Salt Lake City, Jan. 25, 1935. 13 p. (Issued by Wheat section)

Cane molasses. 1935. 3 p. (FF7-Mi)

Future problems of the livestock industry in the west. An address by G. B. Thorne, before the annual convention of the American national livestock association at Rapid City, South Dakota, Jan. 10, 1935. 6 p.

A land use program for the cotton belt. Address by H. R. Tolley before the Association of southern agricultural workers, Atlanta, Georgia, Feb. 1, 1935. 19 p.

*Bibliographies included in general list of bibliographies on page 81.

**For list of the principal series issued regularly, see v. 2, no. 10, p. 354

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Agricultural Adjustment Administration (continued)

Livestock problems in agricultural planning. An address by G. B. Thorne before the annual meeting of Section O, of the American Association for the advancement of science and associated societies, at Pittsburgh, Penn., Dec. 28, 1934. 10 p.

Memorandum discussing agencies in the federal government engaged in land acquisition, land administration and land planning. Prepared by Philip M. Glick. 1935. 91 p. (Issued by Office of the general counsel)

Molasses for horses and mules. 1935. 4 p. (FF7-M3)

The need for a flexible industrial price policy. By Louis H. Bean. 1935. 10 p. (Prepared for hearing on price provisions of codes for fair competition, Jan. 10, 1935, before the National industrial recovery board.

The need for an industrial production program as a basis for sound price and employment policies. By Louis H. Bean. 1935. 10 p. Prepared for the Hearings on employment and provisions of Codes of fair competition, Jan. 3, 1935, before the National industrial recovery board.

The origin and operation of the 1933 cotton producers pool to December 15, 1934, By Oscar Johnston. 1935. 15 p.

Prospective future trends in agricultural adjustment. Adapted from an address by M. L. Wilson before the American vocational association, Pittsburgh, Pa., Dec. 1934. 1935. 9 p. (Discussion statement no. 15)

Review of literature on blackstrap molasses for farm livestock. 1935. 3 p. (FF7-M2)

Some problems relating to a continuing agricultural adjustment program. Address by F. F. Elliott before the Illinois society of farm manager's program at Urbana, Ill., Jan. 17, 1935. 31 p.

Statement of Oscar Johnston, manager of the Cotton producers pool, before the Senate agricultural committee hearing on cotton exports. 1935. 13 p.

What farm recovery means to an industrial region. Address of Chester C. Davis at Farmers' week, Michigan state college of agriculture and applied science, East Lansing, Mich., Jan. 31, 1935. 15 p.

Bureau of Agricultural Economics

Agricultural income and purchasing power. By O. C. Stine. 1934. 6 p. Address, joint session, American statistical association and American farm economic association, Chicago, Dec. 28, 1934. (Issued by Division of statistical and historical research)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued.)

- The agriculture of the American Indian prior to the European conquest. By Everett E. Edwards. 1934. 9 p. A revision and condensation of the introduction to the writer's Agriculture of the American Indian: a classified list of annotated historical references, issued by the U. S. Department of agriculture library as its Bibliographical contributions 23 (2d ed., 1933) (Issued by Division of statistical and historical research)
- Beefcattle outlook charts for use with the Agricultural outlook for 1935. 1934. 25 p.
- Cotton outlook charts for use with the Agricultural outlook for 1935. 1934. 21 p.
- Dairy products outlook charts for use with the Agricultural outlook for 1935. 1934. 32 p.
- Development of a grading and inspection system for the purchase of sweet corn for canning. 1935. 9 p.
- Driven-in receipts of livestock, 1934. 1935. 26 p. (Compiled by the Statistical section, Livestock, meats and wool division.)
- The modern settlement movement in Germany. By Charles P. Loomis. 1935. 68 p. (Issued by Division of farm population and rural life)
- The need of historical materials for agricultural research. By Everett E. Edwards. 1935. 8 p. (Issued by Division of statistical and historical research)
- Rice, peanuts, soybeans, dry beans and broom corn outlook charts, for use with the Agricultural outlook for 1935. 1935. 21 p.
- Sheep, lambs and wool outlook charts for use with the Agricultural outlook for 1935. 28 p.
- Summary of the apple and pear export season, 1933-34. By F. A. Motz and A. C. Edwards. 1934. 69 p. (F.S.A.-438) (Issued by Foreign agricultural service)
- Tax delinquency of rural real estate in 1,536 counties in 31 states, 1928-33. 1935. 4 p. (Issued by Division of agricultural finance)
- Tobacco outlook charts, for use with the Agricultural outlook for 1935. 1934. 19 p.
- Wheat outlook charts for use with the agricultural outlook for 1935. 1934. 24 p.

Bureau of Agricultural Engineering

- Principles of soil erosion control. 1935. 5 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Bureau of Biological Survey

Aids for bird students, 5 p. Jan. 1935. Leaflet BS-2. (Issued by the Division of wildlife research)

The wildlife situation in the United States and its remedies. An address by J. N. Darling delivered at the 21st American game conference, New York City, Jan. 22, 1935. 8 p.

Winter food of ruffed grouse in New York. By Leon H. Kelso. 1935. 3 p. (BS-1)
(Issued by Section of food habits research, Division of wildlife research)

Bureau of Entomology and Plant Quarantine

The eye gnat in the Coachella valley, California. By Robert W. Burgess. 1935. 6 p. (E-335) (Issued by Division of insects affecting man and animals)

Outbreak of black grain-stem sawfly in 1934 and comparison of its status with that of the European wheat sawfly. By C. C. Hill. 1935. 4 p. (E-334)
(Issued by Division of cereal and forage insects)

Bureau of Plant Industry

Fungus specimens available for exchange. Supplement to list V. 1935. 15 p.
(Issued by Division of mycology and disease survey)

Methods of reestablishing buffalograss on cultivated land in the Great Plains. By D. A. Savage, 1935. 4 p. (Issued by Division of forage crops and diseases)

Pasturing, harvesting, and feeding Russian-thistle. By D. A. Savage and L. C. Aicher. 1935. 6 p. In cooperation with the Kansas agricultural experiment station. (Issued by Division of forage crops and diseases)

SxP cotton in comparison with Pima. History of the SxP variety. 1935. 17 p.
(Issued by Division of cotton and other fiber crops and diseases)

Wooly fingergrass. By H. H. N. Vinall. 1935. 4 p. (Issued by Division of forage crops and diseases)

Weather Bureau

Man's responsibility for droughts in the Great Plains. Presented by J. B. Kincer, before a meeting of the American meteorological society at Pittsburgh, Pa., Dec. 29, 1934. 6 p.

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INSTITUTE OF FOREST GENETICS LIBRARY

The Institute of Forest Genetics is a national research institution resulting from the reorganization and enlargement of the Eddy Tree Breeding Station, established in 1925 by James G. Eddy of Seattle, Washington. It is a non-profit corporation devoted to forest research. The control is vested in a self-perpetuating Board of Trustees, national in representation, whose members were chosen because of their character, ability, and interest in the work. The Director is Mr. Lloyd Austin. The following description of the library of the Institute is taken from a letter from the librarian, Miss Annie M. Avakian, dated February 11, 1935:

"I wish I could send you a printed description of the Institute library. But we are in the process of organization, so all that I can do is to give you a brief description of it in so far as I have been able to become familiar with it since my appointment late in November. The pamphlet "Science seeks new trees for the forests of the future", issued by the Institute in 1932, describes the work of the Institute. Naturally our collection will be built about the purposes and methods of that work.

During the present fiscal year the Institute is being supported by the Forest Service and the Bureau of Plant Industry of the U. S. Department of Agriculture.

We are situated in the foothills about four miles east of Placerville, California. The town has a population of less than three thousand, and its library facilities are very limited. The State Library at Sacramento is fifty miles away, and the University of California is farther. So we are isolated from other libraries.

The Library is located in the administration building. The corner room at the left of the main entrance is being made into a periodicals room and library office; it measures about 12' x 18' and shelves will be placed around three sides of this room. Items other than periodicals will be filed in the vault which adjoins the periodicals room, and which measures about 10' x 15'.

Here is a rough description of our collection which Mr. Austin, our Director, estimates contains about 25,000 items.

Books - Approximately 500

Pamphlets - Government and state publications, including some from foreign countries. A fairly accurate check list of numbered bulletins, etc., has been kept.

Periodicals - About 60 received by purchase or gift. The practice has been to clip these after a year. We have a full set of the Agricultural Index, also some indexes of Biological Abstracts and Experiment Station Record, but the abstracts themselves are clipped.

Maps - Forest Service and Geological Survey topographic maps, also other maps. These are folded and filed in pamphlet boxes.

Nursery and seed catalogs.

Advertisment circulars of books, equipment, etc.

Clippings - From newspapers, magazines, and abstracting journals.

Miscellaneous items, such as time tables. etc.

INSTITUTE OF FOREST GENETICS LIBRARY
(continued)

Part of these items are arranged on the shelves in order of the old classification developed by the Director. The remaining portion is an unclassified accumulation of items which have been received during the past few years, and until our classification is completed this material cannot be readily available. Temporarily, however, I am arranging numbered items by series as I receive them. The final arrangement of these items will be by subject. In addition, there is a collection of experimental data sheets, in a vertical file, and a file of photographs and negatives.

I am enclosing a synopsis of the classification which the Director has developed since 1925 to meet the needs of the Institute. There are about 200 typewritten pages completed but there is yet a portion which is not completed. The classification, in the main, follows an alphabetical arrangement within the divisions and subdivisions of each class, and the notation also follows an alphabetical arrangement. When the classification is completed it will be fully indexed, and as far as I know this will be the only subject index to the items represented in our collection. No provision is being made now for the development of a card index.

How comprehensive our collection is I cannot say, for most of the material is unsorted and unclassified. There are not many items in foreign languages. I have before me a copy of "A bibliography of plant genetics" issued by the U. S. Department of Agriculture, but I cannot venture an estimate of the number of items we have from that list.

Before I came there was no trained librarian here. The Director has managed the work in conjunction with other pressing duties. My professional tools are few. They include: 13th edition of the Dewey Decimal Classification; Class S of the Library of Congress Classification; Scheme of Classification for the U.S. Department of Agriculture Library; Korstian's Classification of Forestry; Yale Forestry Classification; an English translation of some portions of the Classification Decimale (575, 576.1/7, 631.4/634.8 (except 632.134/7 and 632.95/7) and 635); Rowell Classification; Merrill's Code for Classifiers; List of subject headings used in the Forest Service Library; Sayers' Manual of Classification; Bliss' Organization of knowledge in libraries; other items of my own from library school; Agricultural Index; Biological Abstracts; Experiment Station Record; Agricultural Library Notes; Forestry Current Literature; and Plant Science Literature. We have no foreign language dictionaries, trade bibliographies or professional library journals, but I subscribe personally for Special Libraries.

The A. L. A. Bulletin also comes to me, and our state library sends News Notes of California Libraries, and lends the Library Journal.

Classification work must wait until the schedules are completed. Meanwhile there is the ever persistent need for building our collection so that it may be in vital relation to our research work. Our budget contains very little for books and periodicals, so the selection of many items must be deferred. We are, however, renewing our contacts with experiment stations and other state and government agencies for publications available without cost.

INSTITUTE OF FOREST GENETICS LIBRARY
(continued)

SYNOPSIS OF MAIN CLASSES

Subject Classification - Institute of Forest Genetics - November 1934

COLLOCATED SYNOPSIS		ALPHABETICAL SYNOPSIS
Abbreviation	ONE COORDINATE SERIES OF MAIN CLASSES (Arranged as main classes are actually used in the files and in the classification)*	Abbreviation.
	OUTLINE OF MAIN CLASSES (Showing relationship of the 27 main classes to each other which is the basis for the order given in the column to the left.)**	MAIN CLASSES
<u>I-SCIENCES, ARTS & EXPERIMENTS</u>		
G	<u>GENETICS</u>	A <u>ADMINISTRATION</u>
B	<u>BREEDING</u>	Bi <u>BIOMETRY</u>
S	<u>SPECIES SELECTION</u>	Bo <u>BOTANY</u>
Ts	<u>TREE SELECTION</u>	B <u>BREEDING</u>
P	<u>PROGENY TESTS</u>	C <u>CLIMATOLOGY</u>
Sg	<u>SEEDLING SELECTION</u>	E <u>ECOLOGY</u>
Sd	<u>SEED SELECTION</u>	Eq <u>EQUIPMENT</u>
Ra	<u>RADIATION</u>	Fn <u>FOREIGN REPORTS</u>
Bi	<u>BIOMETRY</u>	F <u>FORESTRY</u>
F	<u>FORESTRY</u>	G <u>GENETICS</u>
Pt	<u>PROTECTION</u>	N <u>NUTRITION</u>
U	<u>UTILIZATION</u>	Ph <u>PHOTOGRAPHY</u>
Bo	<u>BOTANY</u>	Ps <u>PHYSIOLOGY</u>
E	<u>ECOLOGY</u>	P <u>PROGENY TESTS</u>
C	<u>CLIMATOLOGY</u>	Pp <u>PROPAGATION</u>
W	<u>WATER RELATIONS</u>	Pt <u>PROTECTION</u>
Ps	<u>PHYSIOLOGY</u>	Ra <u>RADIATION</u>
N	<u>NUTRITION</u>	Rf <u>REFERENCE</u>
Pp	<u>PROPAGATION</u>	R <u>REPORTS</u>
Sc	<u>SCIENCE</u>	Sc <u>SCIENCE</u>
Ph	<u>PHOTOGRAPHY</u>	Sd <u>SEED SELECTION</u>
<u>II-ORGANIZATION & MANAGEMENT</u>		
A	<u>ADMINISTRATION</u>	Sg <u>SEEDLING SELECTION</u>
Eq	<u>EQUIPMENT</u>	S <u>SPECIES SELECTION</u>
Rf	<u>REFERENCE</u>	T <u>TRAVEL</u>
R	<u>REPORTS</u>	Ts <u>TREE SELECTION</u>
Fn	<u>FOREIGN REPORTS</u>	U <u>UTILIZATION</u>
T	<u>TRAVEL</u>	W <u>WATER RELATIONS</u>

* This type of arrangement will be omitted in all subsequent synopses.

** In General, each main class includes all aspects of the subject in question except such phases and angles of the subject as are of sufficient importance to us to cause their elevation to the position of main classes. The logical relationship of all the main classes to each other is shown above by indentation.

In actual filing and classification all main classes are considered to be of first rank (as shown in column to left) regardless of their position in the above explanatory outline."

STATEMENT ON DISCUSSION GROUP MATERIALS

By Roy F. Hendrickson, Assistant to the Assistant Secretary of Agriculture.

DISCUSSION GROUPS - Summary Report of a Conference held in Washington,
February 4, 5, 6, and 7, 1935.

DISCUSSION; A BRIEF GUIDE TO METHODS

Discussion Group Topic No. 1. - WHAT KIND OF FOREIGN TRADE POLICIES
DO AMERICAN FARMERS WANT?

Discussion Group Topic No. 2 - IS IT IN THE INTEREST OF THE NATION TO
HAVE MORE -- OR FEWER -- PEOPLE LIVING ON LAND?

Discussion Group Topic No. 3 - WHAT SHARE OF THE NATIONAL INCOME SHOULD
FARMERS HAVE?

Discussion Group Topic No. 4 - SHOULD FARM PRODUCTION BE CONTROLLED AS
A LONG-TIME POLICY?

Discussion Group Topic No. 5 - WHAT KIND OF LAND POLICIES SHOULD THE
NATION HAVE?

Discussion Group Topic No. 6 - THE FARMER AND THE CONSUMER OF FARM
PRODUCTS -- WHAT, IF ANY, ARE THEIR OBLIGATIONS TO ONE ANOTHER?

Discussion Group Topic No. 7. - WHAT KIND OF A RURAL LIFE CAN WE LOOK
FORWARD TO IN THE UNITED STATES?

Discussion Group Topic No. 8 - IS THE FARM LABORER GETTING A SQUARE DEAL?

The above materials have been prepared in connection with an experiment in the development of rural discussion groups. This project has been undertaken by a committee appointed by the Secretary of Agriculture, cooperating with agencies of the Department of Agriculture and the land grant colleges of eleven states. The personnel of the committee follows:

Mr. M. L. Wilson, Assistant Secretary of Agriculture - Chairman

Mr. C. W. Warburton, Director of Extension Service

Mr. Alfred D. Stedman, Director, Division of Information,
Agricultural Adjustment Administration

Mr. Milton S. Eisenhower, Director of Information,
U. S. Department of Agriculture

Mr. Roy F. Hendrickson, Assistant to the Assistant Secretary -
Secretary.

STATEMENT ON DISCUSSION GROUP MATERIALS
(continued)

The cooperating land grant colleges were represented at a conference held in Washington on February 4, 5, 6 and 7, 1935, in response to an invitation issued by the Secretary, who said in his letter of invitation:

"One of the great present day challenges of agriculture is to provide opportunities for farmers and their families to obtain in fields aside from agricultural methods, information and more adequate means of understanding economic and social questions and changes..."

"There is an avenue which appears to hold great promise for meeting this need, centering about the development of forums and discussion groups in rural areas. A committee of members of the Department staff has recently given this subject considerable study and has concluded that the discussion method deserves greater encouragement. But it is felt that, while the method is old, more knowledge of discussion techniques and the whole field of their possibilities is highly desirable, warranting experimentation."

As a result of a program worked out at the conference, from five to seven discussion experiment groups, varying in type and character, have been established by representatives of land grant colleges in the cooperating states. Through the experiment it is hoped to gain more adequate information regarding the type of leadership necessary for carrying on discussion groups, the most desirable number of members of a group in order to insure maximum participation in discussions, the type of material which is the most useful, and other information as well as experience.

The materials listed above, all mimeographed by the Department of Agriculture during February, 1935, have been prepared for use in connection with the experiment with rural discussion groups being conducted by the Department of Agriculture, cooperating with the land grant colleges.

Supplementing the program of experiment discussion groups, a series of radio dialogues has been broadcast during the Farm and Home Hour programs each Tuesday, starting February 19, in which the subjects discussed over the radio were the same as those covered by the material prepared.

The numbered discussion group topics are aimed to serve as a "stimulator" for leaders and members of discussion groups. In addition to pointing to the importance of the main question raised, a number of secondary questions are listed, and also there is a statement of points of view under the heading, "Some Pros and Cons." The statement of Pros and Cons, as explained in each mimeographed leaflet, is not intended to be necessarily complete. This is in keeping with a finding that the "stimulator" can serve principally one of two purposes, or both; namely,

STATEMENT ON DISCUSSION GROUP MATERIALS
(continued)

first, as a means of acquainting leaders and members of discussion groups with the discussion possibilities of a topic in advance of the discussion meeting, and, second, supplying members with information which will guide them in following up interest which may have been aroused in the topic subsequent to the discussion.

The chief aid in carrying on this second purpose is a bibliography which accompanies each discussion group topic. The U. S. Department of Agriculture Library cooperated in the preparation of these bibliographies. The bibliographies concentrate particularly on low cost publications which are easily available. An attempt has been made to make certain that the bibliographies include a large proportion of references from other than Departmental sources.

"Discussion: A Brief Guide to Methods" consists of 12 pages and a bibliography, being a terse description of discussion methods and information in connection with establishing discussion groups. Sub-heads include, "Why Use Discussion Methods"; "Three Important Discussion Methods;" "The Discussion Group"; "The Panel"; "The Forum"; "Combinations of the Three Methods"; "Meeting Plans"; "Selection of Subjects for Discussion"; "Conducting the Discussion"; and "Materials -- Preparation of Data."

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AGRICULTURAL LIBRARY NOTES

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ISSUED MONTHLY
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UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY

WASHINGTON
D. C.

PRINCIPAL LIBRARY ACCESSIONS

Advertising

HARDING, T. S. The popular practice of fraud. London, Longmans, Green, 1935.

Agricultural history

[TRUE, R.H.] Sketch of the history of the Philadelphia society for promoting agriculture; prepared for the celebration of the 150th anniversary of its foundation. [Philadelphia? 1935?]

Agriculture

DÁNTÍN CERECEDA, JUAN. Dry-farming ibérico. Nuevos métodos de cultivo de las tierras de secano en España y America. Ed. 2. Madrid, Artes de la ilustración [1934?]

ROSS, W. A. Elementary agriculture of Wyoming. Revised edition. Sheridan, Wyo., Mills company, 1934.

Cereals

ITALY. DIREZIONE GENERALE DELL'AGRICOLTURA. La bataille du blé en Italie. Rome, 1930.

NETHERLANDS. TECHNISCHE TARWE COMMISSIE Verslagen. I. Opzet en methodiek. II. Rassemproeven. Door ir. R. H. Visser (with a summary in English) Groningen, 1934.

TOMA, ROLANDO. Sviluppi della battaglia del grano in alto Adige (decennale della marcia su Roma) Trento, Tipografia ed. mutilati e invalidi, 1932.

Chemistry

FOWLER, G. J. Industrial possibilities of some research work done in India. Bangalore City, Society of biological chemists, India, 1934.

Dairying

ILLINOIS. UNIVERSITY. DEPT. OF DAIRY HUSBANDRY. Dairy manufactures short course manual. Jan. 22-26, 1934. Urbana, 1934. Mimeographed.

TRACY, P. H., and others. Laboratory tests and information for the technical control of dairy plants. Urbana, Department of dairy husbandry, University of Illinois, 1934. Mimeographed.

Domestic animals

PRENTICE, E. P. Breeding profitable dairy cattle: a new source of national wealth. Boston, Houghton Mifflin, 1935.

VELASQUEZ Q., JOSÉ. Datos sobre ganaderia en Caldas. Manizales, Federación de ganaderos de Caldas, 1934.

PRINCIPAL LIBRARY ACCESSIONS

Economics

- ALEXANDER, C. K., and others. The truth about "buy American", Madison, Wis., Research associates, 1933.
- ASHBY, A. W. The sociological background of adult education in rural districts. London, 1935. (British institute of adult education. Life and leisure pamphlets. no.2)
- BEARD, O. A. The open door at home; a trial philosophy of national interest. New York, Macmillan, 1934.
- BOYLE, J. E. Cotton and the New Orleans cotton exchange; a century of commercial evolution. Garden City, N. Y., Country life press, 1934.
- CANADA. MINISTER OF FINANCE. An explanation of the Farmers' creditors arrangement act, 1934. Ottawa, 1934.
- CANADA. PARLIAMENT. HOUSE OF COMMONS. ROYAL COMMISSION ON PRICE SPREADS. Minutes of proceedings and evidence, no.1-6,8, Oct.30-Nov.8, 1934. Ottawa, 1934.
- CONNECTICUT. COMMISSION TO STUDY THE TAX LAWS OF THE STATE. Report. Hartford, 1934.
- JENSEN, J. P. The sales tax; analysis of existing laws and of the experience of other states with special application to Kansas. [Topeka?] Research dept., Kansas Legislative council, 1934. Mimeographed.
- JESNESS, O. B., and others. A program for land use in northern Minnesota; a type study in land utilization. Minneapolis, University of Minnesota press, 1935.
- KIRKPATRICK, E. L. Rural rehabilitation and relief. A preliminary report prepared for the Rural division. Madison, Wisconsin emergency relief administration, 1934. Mimeographed.
- LOUGH, W. H. High-level consumption; its behavior; its consequences. New York, 1935.
- MOULTON, H. G. The formation of capital. Washington, 1935. (The Institute of economics of the Brookings institution. Publication no. 59)
- NORTHEASTERN STATES AGRICULTURAL CONFERENCE, New York City, 1934. Proceedings. [New York? 1934?] Mimeographed.
- REISCHLE, HERMANN, and SAURE, WILHELM. Aufgaben und aufbau des Reichsnährstandes. Berlin, 1934. (Germany, Reichsnährstand. Schriften über den Reichsnährstand. bd. I)
- SANFORD, H. W. The policies of Mr. Roosevelt. What would you have done, Mr. Critic?, Knoxville, Stubley printing co., 1934.
- STOKDYK, E. A. Some aspects of the financing of cooperatives. Oakland, Cal., Berkeley bank for cooperatives, Farm credit administration, 1934.
- WHITEHEAD, A. N. First principles of tomorrow; a search for permanent prosperity. Cleveland, Cain & Oliver, 1934.

Education

- NATIONAL COMMITTEE ON STANDARD REPORTS FOR INSTITUTIONS OF HIGHER EDUCATION. Financial reports for colleges and universities. Chicago, University of Chicago press, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Engineering, Roads

- AMERICAN SOCIETY FOR TESTING MATERIALS. COMMITTEE C-9 ON CONCRETE AND CONCRETE AGGREGATES. Report on significance of tests of concrete and concrete aggregates. Philadelphia, 1935.
- JOINT API-ASME COMMITTEE ON UNFIRED PRESSURE VESSELS. API-ASME code for the design, construction, inspection, and repair unfired pressure vessels for petroleum liquids and gases. New York, 1934.
- KANSAS. STATE HIGHWAY COMMISSION. Construction manual. Topeka, 1932.

Entomology

- KORONEOS, JEAN. Les Coccidæ de la Grèce surtout du Pélion (Thessalie) v. 1. Athènes, Tarcoussopoulos, 1934.
- MOKRZHETSKII, S. A. Die tabellen zur bestimmung der krankheiten und schädlinge der tabakpflanzen in Polen. Warszawa, Nakladem Polskiego monopolu tytoniowego, 1934. (Dowodczalnictwo tytoniowe, rok 1934, zeszyt 1)
- MORDVILKO, A. K. Die blattläuse mit unvollständigem generationszyklus und ihre entstehung. Jena, G. Fischer, 1935. Abdruck aus Ergebnisse und fortschritte der zoologie. bd. 8.
- THOMSON, JAMES. Typi cetonidarum suivis de typi monommidarum et de typi nilionidarum Musaei Thomsoniani. Paris, E. Deyrolle, 1878. Photostat of copy in British museum.

Fire protection

- NATIONAL FIRE PROTECTION ASSOCIATION. COMMITTEE ON CITY PLANNING AND ZONING. City planning and zoning in relation to fire prevention and fire protection. Boston, 1934.

Food legislation

- ILLINOIS. LAWS, STATUTES, ETC. Illinois laws with regulations and standards enforced by the Division of foods and dairies of the Department of agriculture. Springfield, 1934.
- NATIONAL CANNERS ASSOCIATION. Public hearing on code of fair competition for the canning industry. Proceedings of the hearing held Feb. 7 and 8, 1934. Washington [1934?]

Forage Plants

- ROYAL AGRICULTURAL SOCIETY OF NEW SOUTH WALES. State-wide conference on fodder conservation. Sydney, 1934.

Gardening

- WILDER, MRS. L. B. What happens in my garden. New York, Macmillan, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Housing

BAUER, CATHERINE. Modern housing. Boston, Houghton Mifflin, 1934.

Labor, Unemployment

GT. BRIT. UNEMPLOYMENT ASSISTANCE BOARD. Unemployment assistance act, 1934. Memorandum on the unemployment assistance (determination of need and assessment of needs) regulations, 1934. London, 1935.
GT. BRIT. UNEMPLOYMENT INSURANCE STATUTORY COMMITTEE. Unemployment insurance act, 1934. London, 1935.
INTERNATIONAL LABOR OFFICE, GENEVA. The international standardisation of labour statistics. Geneva, 1934. (Studies and reports. Series N (Statistics) no. 19)

Meat

INSTITUTE OF AMERICAN MEAT PACKERS, CHICAGO. DEPT. OF PUBLIC RELATIONS AND TRADE. Reference book on the meat packing industry. Chicago, 1935.

Ornithology

MARELLI, C. A. Etapas ornitologicas de un viaje alrededor de America. Tandil, El Ecorde Tandil, 1934.

Parks, National

STARR, W. A. Guide to the John Muir trail and the high Sierra region. San Francisco, Sierra club, 1934.

Personnel

COMMISSION OF INQUIRY ON PUBLIC SERVICE PERSONNEL. Better government personnel. New York, McGraw-Hill, 1935.

Planning, City and state

BOSTON, CITY PLANNING BOARD. Report on civil works administration project no. 3512. Boston, 1934. Multigraphed.
MISSOURI. STATE PLANNING BOARD. A preliminary report on a state plan for Missouri. Jefferson City, 1934. Mimeographed.
PENNSYLVANIA. STATE PLANNING BOARD. Preliminary report. Harrisburg, 1934. Multigraphed.

Roadside improvement

CONNECTICUT. STATE HIGHWAY DEPT. BUREAU OF ROADSIDE DEVELOPMENT. Seven years along Connecticut highways, 1927-1934, Hartford, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Science

- DAVIS, WATSON, ed. The advance of science. Garden City, New York, Doubleday, Doran, 1934.
- PACIFIC SCIENCE CONGRESS. 5th, Victoria, B. C., and Vancouver, B. C., 1933. Proceedings. Toronto, University of Toronto press, 1934.

Soils

- WEAVER, J. E., and HARMON, G. W. Quantity of living plant materials in prairie soils in relation to run-off and soil erosion. Lincoln, 1935. (Nebraska. University. Conservation and survey division. Conservation dept. Bulletin no. 8) Contribution from the Dept. of botany, no. 89.

Tariff

- ALEXANDER, C. K. The tariffs on pork and mutton. Madison, Wisc., 1934. (Tariff research committee. Agricultural tariffs series, no. 4)
- MOHAT, H. R. The tariff on wool. Madison, Wisc., 1935. (Tariff research committee. Agricultural tariff series, no. 5)

Textiles

- COPELAND, M. T., and TURNER, W. H. Production and distribution of silk and rayon broad goods, prepared for the Textile foundation, inc., the National federation of textiles, inc. New York, M. J. Pollak, 1935.
- JOINT COMMITTEE OF COTTON TRADE ORGANISATIONS. ECONOMIC AND STATISTICAL DEPT. The changing conditions of world trade in cotton and rayon goods. pt. 1. Manchester, Eng., 1935.

Theses

- DAPP, KURT Untersuchungen über den einfluss der künstlichen höhensonne auf das rote und weisse blutbild wie auf die menge, den fett-und trockensubstanzgehalt der milch bei ziegen. Hannover, 1932. Inaug.-diss. Tierärztl. hochschule, Hannover.
- GUGELMEIER, RICHARD. Die alkoholergiebigkeit stärkehaltiger getreidearten in der brennerei und ihre beziehung zu den üblichen methoden der stärkebestimmung. Plieningen-Stuttgart, 1932. Inaug.-diss. Württemberg. Landw. hochschule, Hohenheim.
- UEBEL, KARL. "Zellulose und primäre holzbildung." Bückeburg, 1934. Diss. Sächsisch. Technisch. hochschule, Dresden.
- WENIGER, HANS. Versuche zur verbesserung der methoden zum morphologischen studium bescheideter larvenstadien der pferdestrongyliden. Quakenbrück, 1935. Inaug.-diss. Tierärztl.hochschule, Berlin, 1933.

CONGRESSES

Second International Congress of Rural Engineering, Madrid, 26th September-3d October, 1935. Secretary of Organizing Committee: E. Aranda Heredia, Amadeo Vives, 10, Madrid (12), Spain.

Third International Congress of Soil Science, Oxford, England, July 30-August 7, 1935. [Secretary] G. V. Jacks, Imperial Bureau of Soil Science, Harpenden, England.

Fourth International Technological and Chemical Congress of the Agricultural Industries, Brussels, Belgium, July 15-28, 1935.

V. Congrès International des Plantes Médicinales et Aromatiques, Bruxelles, du 30 Juillet au 2 Août 1935, dans les locaux de l'Exposition Internationale et Universelle. Secrétariat Général: 48, chaussée de Neerstalle, Fores-Bruxelles, Belgium.

Sixth International Botanical Congress, Amsterdam, Holland, September 2-9, 1935. Hon. Secretary: Mr. M. J. Sirks, Wageningen, Holland.

XIIIe Congrès International de Zoologie, Lisbonne, 15-21 Septembre 1935. Comité Organisateur, Secrétaire, Dr. Fernando Frade V. da Costa, Prof. a. de Zoologie à la Fac. des Sc. de l'Univ. de Lisbonne et Naturaliste au Musée Bocage.

Congrès International de Sylviculture et du Carbone-Carburant près l'Exposition Universelle et Internationale de Bruxelles, 26 et 27. Juillet 1935. Comité organisateur: Le Secrétaire, Eug. Paschal, rue de Méridien no. 5, Bruxelles, Belgium.

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PROPOSED FORMATION OF A SECTION OF AGRICULTURAL LIBRARIANS IN CONNECTION WITH THE INTERNATIONAL CONGRESS OF THE AGRICULTURAL PRESS, ROME, ITALY, JULY 26-27, 1935.

The International Committee of the Agricultural Press (headquarters in Rome, via Vittorio Veneto 7) is planning to organize an International Congress of the Agricultural Press to be held at Brussels, Belgium, July 26-27, 1935. At this Congress a report will be given by Dr. Reich, the General Secretary of the Tschechoslovakian Academy of Agriculture, on agricultural libraries, and it is proposed to establish at that time a "Section of Agricultural Librarians." This matter has been brought to the attention of American agricultural librarians through Dr. Sigmund von Frauendorfer, Librarian of the International Institute of Agriculture, Rome, Italy. An expression of opinion from agricultural librarians will be appreciated regarding the establishment of an international group of agricultural librarians under the auspices of the Committee mentioned above. Information as to whether American librarians would be willing to participate at the Congress is also desired from agricultural librarians.

Charlotte A. Baker, Chairman,
Agricultural Libraries Section,
American Library Association.

Address:
Charlotte A. Baker, Librarian,
State Agricultural College,
Fort Collins, Colorado.

NOTES ON PERIODICALS

- British Honduras agricultural society. Journal. 980 Queen St., Belize, B.H. quar. 8°. il. v. 1, no. 1, Jan./Mar. 1935.
- Braunschweigische bauern zeitung. Braunschweig, Germany. Changed to Wochenblatt der Landesbauernschaft Braunschweig with jahrg. 104, folge 5, Feb. 2, 1935.
- Butchers' and packers' gazette. Chicago. Changed to Meat dealer and butchers' and packers' gazette with v. 127, no. 20, March 1, 1935.
- La Chimica e l'industria. Milano, Via S. Paolo, 10. mo. il. 4°. anno 17, no. 1, Jan. 1935. Formed by merger of L'Industria chimica, and Giornale di chimica industriale ed applicata, continuing volume numbering of latter periodical.
- Cooperative marketing journal. Richmond, Va. Changed to Cooperative journal with v. 9, no. 1, Jan./Feb. 1935.
- Federazione nazionale fascista degli industriali dei prodotti chimici. Bollettino d'informazioni. Supplemento a La Chimica e l'industria. Milano, Via S. Paolo, 10. mo. 4°. no. 1/2, Jan./Feb. 1935.
- Giornale di chimica industriale ed applicata. Milano. Combined with L'Industria chimica "II Notizario chimico-industrial", Jan. 1934, to form La Chimica e l'industria.
- The Journal of South African botany. National Botanic Gardens, Kirstenbosch, Newlands, C. P., South Africa. quar. 8°. il. v. 1, pt. 1, Jan. 1935. 20 s. per annum.
- Landwirtschaftliche wochenschrift; zeitschrift der Landesbauernschaft Sachsen-Anhalt. Halle. Changed to Wochenblatt der Landesbauernschaft Sachsen-Anhalt with jahrg. 93, hft. 6, Feb. 6, 1935.
- Oklahoma farmer-stockman. Oklahoma City, Oklahoma. Changed to Farmer-stockman with v. 48, no. 4, Feb. 15, 1935.
- Pommerscher ratgeber für bienenzüchter. Anklam. Discontinued with jahrg. 34, num. 12, Dec. 1934.
- Der Sächsische Bauer. Dresden. Changed to Wochenblatt der Landesbauernschaft Sachsen (Freistaat) with jahrg. 83, no. 6, Feb. 1935.
- Der Schlesische Bauernstand. Breslau. Changed to Wochenblatt der Landesbauernschaft Schlesien with [n.s.] jahrg. 2, hft. 5, Feb. 2, 1935.
- Technologie und chemie der papier- u. zellstoff-fabrikation; chemisch-technisch. und wissenschaftliche beilage zu...Wochenblatt für papierfabrikation. Biberach-Riss, Württ. Changed to Die Zellstoff faser...monatliche beilage zu...Wochenblatt für papierfabrikation, with jahrg. 32, num. 1, Jan. 1935.
- Western cattle markets & news. San Francisco. Changed to Pacific stockman with v. 3, no. 11, Nov. 12, 1934.
- Western meat journal, 308 Lowman Building, Seattle, Was. mo. 4°. il. v. 1, no. 1, Jan. 1935. \$1.00 a year.

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BIBLIOGRAPHIES AND LISTS

U. S. Department of Agriculture Bureau of Agricultural Economics.

Cotton in China. Some recent references to literature in English and German on production, marketing and the textile industry. Compiled by Emily L. Day, Division of Cotton Marketing Library, Bureau of Agricultural Economics. March 12, 1935. 11 p. Typewritten. May be borrowed for copying.

Bureau of Chemistry and Soils

Egg storage; a selected bibliography. Compiled by T. L. Swenson. 1935. 15 p. (Issued by Food research division)

Extension Service.

References to a few press articles and books relating to child development. For the use of home demonstration leaders and specialists.

By Edith L. Allen. 1935. 18 p. (Issued by Division of cooperative extension)

Forest Service.

Complete list of Forest Service publications. Rev., Feb. 1, 1935. 77 p.

Bureau of Plant Industry.

A list of references to literature on the Dutch Elm disease. Prepared by Division of Forest Pathology, Bureau of Plant Industry, Dutch Elm Disease Laboratory, Morristown, New Jersey. Feb. 1935. 29 p.

Miscellaneous

Crooks, R. W. Bibliography on household furnishings, Baltimore, G. W. King, 1934. 34 p.

Cummings, Orpha. Land Economics, 1933-1934. Outstanding references to land economics, especially to the present national land policy. Library, Giannini foundation of agricultural economics, University of California, Berkeley, California. 34 p. Feb. 8, 1935. Mimeographed.

Hasse, Adelaide R. A selected list of references on old-age security. Research Library, U. S. Federal emergency relief administration. 4 mos. Washington. D. C., 1935. Mimeographed.

Otero, J. Il Café bibliografía clasificada y parcialmente anotado. Estación Experimental Agrícola. Colegio de Agricultura, Universidad de Puerto Rico, Rio Piedras, Puerto Rico. 603 p. January 1935.

Thompson, Laura A. Employment insurance and reserves in the United States. A selected list of references. 54 p. Washington, D. C. 1935. U. S. Department of Labor. Bureau of labor statistics. Bul. 611.

Turner, C. W. Bibliography on the anatomy of the mammary glands of domestic and laboratory animals with special reference to dairy cattle. Missouri Agricultural Experiment Station, Columbia. 46 p. [1935]

-o-o-o-o-o-o-o-o-

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

WALLACE, H. A. Problems of recovery from the point of view of agriculture.
Amer. Stat. Assoc. Jour. 30(189A): 150-154. Mar. 1935, supplement.

Agricultural Adjustment Administration

BEAN, L. H. Food prices compared with other trends. Curve of living cost
now leveling off. New York Times 84(26169): 6E. Mar. 10, 1935.
TOLLEY, H. R., and WELLS, O. V. A plan for the coordination of state and
federal activities in the collection of agricultural statistics. Amer.
Stat. Assoc. Jour. 30(189A): 237-243. Mar. 1935, supplement.
TOLLEY, H. R. The Washington viewpoint on land use and human welfare. Citrus
Leaves 15(3): 3-4, 32. Mar. 1935.
WICKARD, C. Carrying the AAA to the American farmer is the important responsi-
bility of county control associations. Hoosier Farmer 11(2): 5, 34, Mar. 1935.
WORK, R. A. Soil moisture requirements of pear trees. Oreg. State Hort. Soc.
Ann. Rpt. (1934) 26: 25-29. [1935]

Bureau of Agricultural Economics

HARPER, F. H. Reporting on the quality of the farmer's cotton. The Carolinas
3(4): 11-12, 23-24, 32. Mar. 1935.
NICHOLSON, V. H. Will spud prices improve? New England Homestead. 108(4): 12.
Feb. 16, 1935.
WICKENS, D. L. The financial survey for urban housing. Amer. Stat. Assoc.
Jour. 30(189A): 295-300. Mar. 1935, supplement.

Bureau of Animal Industry

BYERLY, T. C. Some factors affecting length of the incubation period.
World's Poultry Cong. 5th, Rome, 1933. [Rpt.] 2: 373-379. 1933.
JULL, M. A. How much protein? Poultry Tribune 41 (4) : 8, 21-22. Apr. 1935.
----- Reproductive ability and viability of progeny in relation to age of
sires and dams. Poultry Sci. 14: 105-111. Mar. 1935.
----- and BYERLY, T. C. Egg quality controlled by breeding and feeding
increases poultry income. New England Poultryman 19 (2) : 10-11.
Feb. 1935.
LOWE, C. D. A Champion steer feeder. Country Gent. 105(3) : 74
Mar. 1935.
TITUS, H. W., and WESTLER, R. D. Effect of Vitamin D on production and
some properties of eggs. Poultry Sci. 14 : 90-98 Mar. 1935.
WILLIAMS, J. O. The return of the horse. New England Homestead 108 (4):
5, 8, 16, Feb. 16, 1935.

* * * * *
*These lists are prepared in the bureaus under which they are given, with the
exception of the Office of the Secretary and Agricultural Adjustment Adminis-
tration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(continued)

Bureau of Biological Survey

- ASHBROOK, F. G. Possibilities of fur farming in New England. *Fur Jour.* 1 (5): 3-10. Mar. 1935.
- BURLEIGH, T. D. Description of a new subspecies of yellowthroat (*Geothlypis trichas*) from Georgia. *Biol. Soc. Wash. Proc.* 47 : 21-22. Feb. 9, 1934.
- COTTAM, C. Wasting disease of *Zostera marina*. *Nature [London]* 135 (3403) : 306. Feb. 23, 1935.
- DARLING, J. N. The need for a national wildlife program. *Bird-Lore* 37: 91-94, Mar./Apr. 1935.
- HOWELL, A. H. [Book review] (Simpson, George Gaylord. *Attending marvels. A Patagonian journal.* 295p. The Macmillan co., May, 1934) *Jour. Mammal.* 16: 74. Feb. 1935.
- KELLOGG, C. E. Speaking of rabbits--it's the average weight that carries weight. *Amer. Rabbit Jour.* 5 (3): 33-35. Mar. 1935.
- MOATEE, W. L. A little knowledge. *Natl. Humane Rev.* 23 (2) : [26-]. Feb. 1935.
- ROAHEN, K. F. Migratory bird problems. *Mont. State Fish and Game Comm. Biennial Rept. 1933-1934.* p.10. 1935.

Bureau of Chemistry and Soils

- BALLS, A. K., and HALE, W. S. Peroxidase in the darkening of apples. *Indus. and Engin. Chem.* 27: 335-337. Mar. 1935.
- DAVIDSON, J., and LECLERC, J. A. A new method for the determination of the acid-base balance in food materials. *Jour. Biol. Chem.* 108 : 337-347. Feb. 1935.
- HENDRICKS, S. B. [Book review] (Anwendungen der Röntgen-und elektronenstrahlen, mit besonderer berücksichtigung organisch-chemischer probleme. By J. Eggert and E. Schiebold. Leipzig, Akademische verlagsgesellschaft m.b.h., 1934. 190p.) *Jour. Amer. Chem. Soc.* 57:593. Mar. 1935.
- HILBERT, G. E., Jansen, E. F., and HENDRICKS, S. B. Action of alkali on 2,4-diethoxypyrimidine and the application of the reaction to a new synthesis of cytosine. The refractive indices of some pyrimidines. *Jour. Amer. Chem. Soc.* 57: 552-554. Mar. 1935.
- JAMIESON, G. S., and MCKINNEY, R. S. Pataua palm (*Oenocarpus bataua*, Mart) oil. *Oil and Soap* 11: 207-208. 1935.
- NELSON, G. H., ANDERSON, D. Q., and JACOBS, P. D. (With Max Levine, Iowa State College, senior author). Utilization of agricultural wastes. Lignin and microbial decomposition. *Indus. and Engin. Chem.* 27 : 195-200. Feb. 1935.
- SCHOLL, W. and DAVIS, R. O. E. A six-atmosphere mercury manometer. *Indus. and Engin. Chem., Anal. Ed.* 7: 135. Mar. 15, 1935.
- SORBER, D. G. A new by-product from cull and surplus fresh fruit. *The Blue Anchor* 12(1): 4, 18 Jan. 1935.
- STUART, L. S., and FREY, R. W. Ringworm damage to hides and leather. *Jour. Amer. Leather Chem. Assoc.* 30 : 64-69. Feb. 1935.
- WARD, G. E., LOCKWOOD, L. B., MAY, O. E., and HERRICK, H. T. Production of fat from glucose by molds. Cultivation of *Benicillium javanicum* van Beijma in large-scale laboratory apparatus. *Indus. and Engin. Chem.* 27 : 318-322. Mar. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(continued)

Bureau of Entomology and Plant Quarantine

- BULGER, J. W. A photoelectric method for measuring small leaf areas.
Jour. Econ. Ent. 28: 76-81. Feb. 1935.
- BUTLER, H. G. Methods of determining the degree of parasitization of
twig-infesting oriental fruit moth larvae. Jour. Econ. Ent. 28:
244-246. Feb. 1935.
- CHAMBERLIN, J. C. A new species of false scorpion (*Hesperochernes*) from
a bird's nest in Montana. (Arachnida - Chelonethida). Pan-Pacific
Ent. 11: 37-39. Jan. 1935.
- CLAUSEN, C. P. Parasites and predators in insect control. Tex. Citri-
culture 11(8): 7, 9, 24. Feb. 1935.
- DOHANIAN, S. M. The European corn borer on Long Island. Psyche 41:
214-220. Dec. 1934.
- DUDLEY, J. E., jr. Did the ladybird beetles just come for the ride?
The idea looked good but the beetles had their own ideas about fighting
aphids in mid-western pea fields. Canner 80(3): 16-17. Dec. 29, 1934.
- EMERY, W. T. Breeding the Hessian fly and its parasites in shell vials.
Jour. Econ. Ent. 28: 249. Feb. 1935.
- FOX, H. Some misconceptions regarding the effects of the cold of February
1934 on the larvae of the Japanese beetle, *Popillia japonica* Newman.
Jour. Econ. Ent. 28: 154-159. Feb. 1935.
- GOULD, E. Better control of the codling moth. Mountaineer Grower 6(53):
9-11, 13. Mar. 1935.
- HOWARD, N. F., and DAVIDSON, R. H. Effect of heat treatment on toxicity of
calcium arsenate to bean foliage. Jour. Econ. Ent. 28: 250. Feb. 1935.
- MIDDLETON, W., and EUCHANAN, W. D. (With C. May and J. M. Walter, Bur. Plant
Indus.) *Ceratostomella* (*Graphium*) *ulmi*, the cause of the Dutch elm disease,
transmitted by *Scolytus multistriatus*. Jour. Econ. Ent. 28: 138. Feb. 1935.
- MUESEBECK, C. F. W. Synonymical notes on *Ecphyllus* Foerster, with description
of one new species (Hym., Braconidae). Ent. Soc. Wash. Proc. 37: 21-24.
Jan. 1935.
- NEWCOMER, E. J. Codling moth - a national problem. Better Fruit 29(8):
8, 21. Feb. 1935.
- PARKER, J. H. The grasshopper problem in Canada and the United States.
Pacific Sci. Cong. 5th, Victoria and Vancouver, B.C., 1933. Proc. p. 3459-
3471, 1934.
- PORTER, B. A. Recent developments in codling moth control. Penn. State
Hort. Assoc. News 12(1): 51-58. Mar. 1935.
- This codling moth battle. Mountaineer Grower 6(59): 5-7, 9.
Mar. 1935.
- ROARK, R. C. Advantages and limitations of organic insecticides. Jour.
Econ. Ent. 28: 211-215. Feb. 1935.
- SMITH, F. F. Control experiments on certain *Tarsonemus* mites on ornamentals.
Jour. Econ. Ent. 28: 91-98. Feb. 1935.
- SPIES, J. R. Recovery of silver and iodine from silver iodide. Indus. and
Engin. Chem. Anal. Ed. 7: 118-119. Mar. 15, 1935.
- STONE, A. Notes on *Tabanidae* (Diptera). Ent. Soc. Wash. Proc. 37: 11-21.
Jan. 1935.
- STRONG, L. A. International entomological problems. Jour. Econ. Ent.
28: 139-142. Feb. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(continued)

- SWINGLE, M. C., and COOPER, J. F. Toxicity of fixed-nicotine preparations to certain lepidopterous pests of truck crops. Jour. Econ. Ent. 28: 220-224. Feb. 1935.
- VANSELL, G. H. (With C. S. Bisson, Calif. Agr. Expt. Sta.) Beeswax investigation results. Gleanings Bee Cult. 63: 141. Mar. 1935.
- WILCOX, J. Description of the male of *Willistonina bilineata* (Williston) together with a new form (Diptera - Asilidae). Pan-Pacific Ent. 11: 31-34. Jan. 1935.
- WILCOX, J., and BAKER, W. W. The deciduous cusps of the Alophini (Coleoptera-Curculionidae). Brooklyn Ent. Soc. Bul. 30: 20-22. Feb. 1935.
- YOTHERS, M. A., ALLEN, P. B., and SCHEFFER, P. M. High percentage of parasitization of codling moth eggs by *Trichogramma minutum* Riley, in the Wenatchee, Washington, District. Jour. Econ. Ent. 28: 247-248. Feb. 1935.

Forest Service

- ABELL, M. S. Use of the Craighead diameter tape for trees under 1.6 inches in diameter. Jour. Forestry. 33: 83. Jan. 1935.
- DAVES, K. A method of determining spacing in thinning. Jour. Forestry. 33: 80-81. Jan. 1935.
- DILLER, O. D. The relation of temperature and precipitation to the growth of beech in northern Indiana. Ecology. 16: 72-81. Jan. 1935.
- FOSTER, E. Stand-basal area curves in American yield tables. Jour. Forestry. 33: 57-60. Jan. 1935.
- GAYLORD, H. Notes on wood section microtechnique. Jour. Forestry. 33: 142-145. Feb. 1935.
- GISBORNE, H. T. Shaded firebreaks. Jour. Forestry. 33: 86-87. Jan. 1935.
- GUTHRIE, J. D. Foresters in "Who's Who in America." Jour. Forestry. 33: 178. Feb. 1935.
- HALL, R. C. The new forest policy in Germany. Jour. Forestry. 33: 83-84. Jan. 1935.
- HARPER, V. L. A plotting board as an aid in analyzing quantitative data. Jour. Forestry. 33: 176-177. Feb. 1935.
- HORNBY, L. G. Fuel type mapping in Region 1. Jour. Forestry. 33: 67-72. Jan. 1935.
- ISAAC, L. A. Life of Douglas fir seed in the forest floor. Jour. Forestry. 33: 61-66. Jan. 1935.
- LOVERIDGE, E. W. The opposite point of view. Jour. Forestry. 33: 105-110. Feb. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Forest Service
(continued)

- MCCARTHY, E. F., and I. H. SIMS. The relation between tree size and mortality caused by fire in southern Appalachian hardwoods. Jour. Forestry. 33: 155-157. Feb. 1935.
- MITCHELL, J. A. More about calcium chloride as a forest fire retardant. Jour. Forestry. 33: 84-86. Jan. 1935.
- PEARSON, G. A. Timber stand improvement in the southwest. Jour. Forestry. 33: 128-132. Feb. 1935.
- RACHFORD, C. E. National forest regulation G-20A. Jour. Forestry. 33: 28-31. Jan. 1935.
- REYNOLDS, R. V. How much timber has America cut? Comments by Royal S. Kellogg and D. M. Mathews. Jour. Forestry. 33: 34-41. Jan. 1935.
- SHEPARD, H. B. Forest fire insurance in the Pacific Coast States. Jour. Forestry. 33: 111-116. Feb. 1935.
- SILCOX, F. A. Reforestation in land use planning. World Today; Encyclopaedia Britannica. 2 (3): 15-18. Feb. 1935.
- TEESDALE, L. V. How plastering affects the moisture content of structural and finish woodwork. Amer. Lumberman. (3037): 42-43. Dec. 22, 1934.

Library

- BARNETT, C. R. James Pedder. Dict. Amer. Biog. 14: 387-388.
- Martin Wilson Philips. Dict. Amer. Biog. 14: 537-538.
- George Harold Powell. Dict. Amer. Biog. 15: 145-146.

Bureau of Plant Industry

- ALDRICH, W. W. Some factors affecting profitable production of Anjou pears. Oreg. State Hort. Soc. Ann. Rpt. (1934) 26: 38-41. [1935]
- BREWBAKER, H. E. Experiments on width of row and spacing of sugar beets within the row at Fort Collins, Colorado. Through the Leaves 23: 37, 39-43. Mar. 1935.
- BROOKS, C. Non-parasitic spot diseases of the apple. N.H. Hort. Soc. Ann. Rpt. (1934) 24:48-53. (Recd. Mar. 1935)
- Storage diseases of apples. N.H. Hort. Soc. Ann. Rpt. (1934) 24: 74-83. (Recd. Mar. 1935)
- CHRISTIE, J. R. Book review. (Goodey, T. Plant parasite nematodes. 306 p. Methuen and Co., Ltd., London. 1933.) Phytopathology 25: 287. Feb. 1935.
- CLARK, C. F., and STEVENSON, F. J. The breeding behavior of the Katahdin potato. Amer. Potato Jour. 12:55-59. Mar. 1935.
- DANA, B. F. Progress in investigations of curly top of vegetables. Oreg. State Hort. Soc. Ann. Rpt. (1934) 26: 95-99 [1935]

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- DRECHSLER, C. A leaf spot of bent grasses caused by *Helminthosporium erythrospilum*, n.sp. *Phytopathology* 25: 344-361. Mar. 1935.
- ENLOW, C. R. Importance of developing native grasses. *Land Today and Tomorrow* 2(2): 6-8. Feb. 1935.
- GRIFFITHS, D. The late forcing of daffodil bulbs. *Seed World* 37(6): 41, 46. Mar. 15, 1935.
- HALLER, M. H. (With J. H. BEAUMONT, Univ. Md., C. R. GROSS and H. W. RUSK, Bur. Chem. and Soils) Spray residue removal from apples. *Md. Agr. Expt. Sta. Bul.* 368. p. 121-136. Sept. 1934.
- HOLBERT, J. R. (With C. H. DUNGAN, W. J. MUMM, A. L. LANG, Ill. Agr. Expt. Sta., and J. B. BIGGER, Ill. State Nat. Hist. Surv.) Illinois corn performance tests. Results for 1934. *Ill. Agr. Expt. Sta. Bul.* 411. p. 55-88. Feb. 1935.
- HUMPHREY, H. B., and COFFMAN, F. A. A portable rust-inoculation chamber. (Note) *Phytopathology* 25: 279-281. Feb. 1935.
- KIENHOLZ, J. (With L. CHILDS, Oreg. Agr. Expt. Sta.) Pear scab in the Hood River Valley. *Oreg. State Hort. Soc. Ann. Rpt.* (1934) 26: 65-71. [1935]
- LeCLERG, E. L. Dusting and spraying experiments for the control of sugar-beet leaf spot in southern Minnesota. *Phytopathology* 25: 234-243. Feb. 1935.
- MILLER, P. W. Studies on the control of walnut blight in Oregon: fifth report of progress. *Oreg. State Hort. Soc. Ann. Rpt.* (1934) 26: 105-121. [1935] (20th Ann. Meeting West. Nut Growers Assoc. 1934)
- MORRISON, B. Y. Plant material. *Gard. Club Amer. Bul.* ser. 5 (14): 82-87. Mar. 1935.
- SANTORIS, G. E. Genetic improvement of sugar cane. *Rap. Cong. Internatl. Tech. et Chim. Indus. Agr.*, 3e, Paris, 1934. v. 1, Q 4, D. 5 p. 1934.
- *SCHULTE, R. B. (With H. R. KRAYBILL & others, Ind. Agr. Expt. Sta.) Inspection of agricultural seeds. *Ind. Agr. Expt. Sta. Circ.* 205. 91 p. Oct. 1934 (Recd Mar. 1935)
- SCHUSTER, C. E. Preliminary data on the moisture content of soils in nut orchards of western Oregon. *Oreg. State Hort. Soc. Ann. Rpt.* (1934) 26: 129-133. [1935] (20th Ann. Meeting West. Nut Growers Assoc.)
- Preliminary report of soil moisture conditions in western Oregon nut orchards. *Oreg. State Hort. Soc. Ann. Rpt.* (1934) 26: 41-44. [1935]
- SHAMEL, A. D. The Marsh grapefruit variety in California and Arizona. *Citrus Leaves* 15(3): 14-17. Mar. 1935. Also in *Citrus Grower* 40: 3-6. Feb. 1935.
- SHULL, M. *Helianthus angustifolius*. *Natl. Hort. Mag.* 14: 96-98. Jan. 1935.
- STEVENS, N. E., and WOOD, J. I. Losses from corn ear rots in the United States. (Note) *Phytopathology* 25: 281-283. Feb. 1935.
- STEVENSON, F. J. (With F. WHITMAN, Bur. Home Econ.) Cooking quality of certain potato varieties as influenced by environment. *Amer. Potato Jour.* 12: 41-47. Feb. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- TRAUB, H. P. Experiments in the propagation of Amaryllidaceae by cuttage.
Amer. Amaryllid Soc. Yearbk. 1: 72-74. 1934.
- VINALL, H. N. Pasture area in the United States. Jour. Amer. Soc. Agron.
27: 161-172. Mar. 1935.
- WARE, J. O. Opportunities for improving the quality of cotton. Com. Fert.
50(3): 20, 22-24, 26, 28. Mar. 1935.
- WEISS, F. The red leaf spot or "rust" of Amaryllis. Amer. Amaryllid
Soc. Yearbook. 1: 92-94. 1934.
- WELLMAN, F. L. Dissemination of southern celery-mosaic virus on vegetable
crops in Florida. Phytopathology 25: 289-308. Mar. 1935.
- WILCOX, R. B. (With C. S. BECKWITH, N.J. Agr. Expt. Sta.) The false-blossom
disease of cranberries. N.J. Agr. Expt. Sta. Circ. 348. 4 p. Feb. 1935.
- SUMMERS, E. M. Types of mosaic on sugar cane in Louisiana. Sugar News
16: 83-84. Feb. 1935.
- SWANSON, A. F. Pasturing winter wheat in Kansas. Kans. Agr. Expt. Sta.
Bul. 271. 30 p. illus. Jan. 1935. (In cooperation)
- THOM, C., and HUMFELD, H. (With H. P. HOLMAN, Bur. Chem. & Soils) Laboratory
tests for mildew resistance of outdoor cotton fabrics. Amer. Dyestuff
Rppt. 23: 581-586. Oct. 22, 1934.

Bureau of Public Roads

- HARRISON, J. L. Job management in road building. Pt. 1 - Daily costs
and the "Work-dollar". Construction Methods 17(3): 32-35. Mar. 1935.
- HOGENTGLER, C. A. Practical soil stabilization. Roads and Streets 78:
92-98. Mar. 1935.
- JACKSON, F. H. What is known of aggregates for road surfaces? (An interview)
Engin. News-Rec. 114: 349-353. Mar. 7, 1935.
- RUNNER, D. G. The origin and road building properties of chert. Roads
and Streets 78: 87-91. Mar. 1935.
- THOMS, R. E. Dowels and joint fillers for concrete pavements. Engin. News-
Rec. 114: 318-319. Feb. 28, 1935.

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ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK *

Alabama

NICHOLS, M. L., and YODER, R. E. New power equipment for terracing. Agr. Engin. 16(3): 93-96, 102. March 1935.

Arkansas

BAERG, W. J. Some poisonous arthropods of southwestern Mexico (Chilopoda and Arachnida). Ann. Ent. Soc. Amer. 27(4): 527-532. Dec. 1934.

California

- ADAMS, R. L. The effects of reciprocal trade agreements on California agriculture. Calif. Dept. Agr. Mo. Bul. 24(1): 148-151. Jan. 1935.
- ASMUNDSON, V. S. (With P. PINSKY, Univ. Calif.) The effect of the thyroid on the formation of the hen's egg. Poultry Sci. 14(2): 99-104. March 1935.
- ASMUNDSON, V. S. Inheritance of disease resistance with special reference to poultry. Pacific Sci. Cong. Proc. 5(1933) v. 4: 2569-2572. 1934.
- BABCOCK, E. B. Investigations in the genus Crepis. Carnegie Inst. Wash. Year Book no. 33(1933/1934): 281-283. 1934.
- BARR, P. M. Ecological aspects of spruce regeneration. Pacific Sci. Cong. Proc. 5(1933) v. 5: 4001-4007. 1934.
- BEACH, J. R. Poultry diseases: recent discoveries. Pacific Sci. Cong. Proc. 5(1933) v. 4: 2961-2968. 1934.
- BOYNTON, W. H. Anaplasmosis in cattle. Pacific Sci. Cong. Proc. 5(1933) v. 4: 3047-3053. 1934.
- CRUESS, W. V. The tourne disease of wine. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(7): 198-200, 219. March 1935.
- ESAU, K. Ontogeny of phloem in the sugar beet (*Beta vulgaris* L.). Amer. Jour. Bot. 21(10): 632-644. Dec. 1934.
- GARDNER, M. W., TOMPKINS, C. M., and WHIPPLE, O. C. Spotted wilt of truck crops and ornamental plants. Phytopathology 25(1): 17. Jan. 1935. (Abstract)
- GIVIN, C. V. Flow of water through granular materials; initial experiment with lead shot. Amer. Geophysical Union Trans. 15(1934) pt. 2: 572-579. June 1934.
- HARING, C. M. The control of Bang's disease on the Pacific slope of North America. Pacific Sci. Cong. Proc. 5(1933) v. 4: 3013-3022. 1934.
- HINSHAW, W. R. A review of recent investigations in turkey diseases. Pacific Sci. Cong. Proc. 5(1933) v. 4: 2969-2976. 1934.
- HOAGLAND, D. R. The potassium nutrition of barley with special reference to California soils. Pacific Sci. Cong. Proc. 5(1933) v. 4: 2669-2676. 1934.
- HUGHES, E. H. Some effects of vitamin-A-deficient diets on reproduction of sows. Jour. Agr. Research [U. S.] 49(10): 943-953. Nov. 15, 1935.
- MEAD, S. W., and GOSS, H. Ruminant digestion without roughage. Jour. Dairy Sci. 18(3): 163-170. March 1935.
- MORGAN, A. F. (With Z. SAMISCH, Univ. Calif.) The sequence and extent of tissue changes resulting from moderate doses of viosterol and parathyroid extract. Jour. Biol. Chem. 108(3): 741-752. March 1935.
- NICHOLS, P. F. Prune moisture content and processing. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(7): 211-213, 215. March 1935.

*Prepared in Office of Experiment Stations Library

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

California (continued)

- SETCHELL, W. A. Marine plants and Pacific palaeogeography. Pacific Sci. Cong. Proc. 5(1933) v. 4: 3117-3131. 1934.
- SHAW, C. F. The need for studies of soil color. Internatl. Soc. Soil Sci. Comptes Rendus, First Commission (1934): 169-178. 1934.
- SMITH, C. O. Inoculations of *Stagonospora curtisii* on the Amaryllidaceae in California. Phytopathology 25(2): 262-268. Feb. 1935.
- SMITH, R. H. Possibility of controlling codling moth with nicotine vapor. Wash. State Hort. Assoc. Proc. 30(1934): 72-75. [1935]
- STORER, T. I. Economic effects of introducing alien animals into California. Pacific Sci. Cong. Proc. 5(1933) v. 1: 779-784. 1934.
- TRAUM, J. Foot and mouth disease: differential diagnosis. Pacific Sci. Cong. Proc. 5(1933) v. 4: 2907-2910. 1934.

Colorado

- LIST, G. M. An easily cleaned and efficient dust mixer. Jour. Econ. Ent. 28(1): 142. Feb. 1935.

Connecticut(State)

- DUNLAP, A. A. Sand culture of seedlings as a damping-off control. Phytopathology 25(1): 15. Jan. 1935. (Abstract)
- DUNLAP, A. A. Sand culture of seedlings as compared with soil culture. Amer. Jour. Bot. 21(10): 704. Dec. 1934. (Abstract)
- GARMAN, P. (With W. T. BRIGHAM) Further notes on breeding *Macrocentrus ancyli-vorus* on larvae of the oriental fruit moth. Jour. Econ. Ent. 28(1): 204-205. Feb. 1935.
- MENDEL, L. B., and VICKERY, H. B. Continuation and extension of work on vegetable proteins. Carnegie Inst. Wash. Year Book no. 33(1933/1934): 289-295. 1934.
- SINGLETON, W. R. Early researches in maize genetics. Jour. Heredity 26(2): 49-59. Feb. 1935.
- TURNER, N. Effect of Mexican bean beetle injury on crop yield. Jour. Econ. Ent. 28(1): 147-149. Feb. 1935.

Connecticut (Storrs)

- JUNGHEER, E. The etiologic and diagnostic aspects of the fowl paralysis problem. Jour. Amer. Vet. Med. Assoc. 86(3): 424-432. March 1935.

Delaware

- BAKER, G. L., and KNEELAND, R. F. Pectin content of raw material; optimum conditions of extraction determined by viscosity. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(7): 204-205, 210, 220. March 1935.
- PEARSON, A. M. An improved method for the determination of cattle fly spray repellence. Jour. Econ. Ent. 28(1): 160-161. Feb. 1935.
- STEARNS, L. A. Comments concerning codling moth control in Delaware. Jour. Econ. Ent. 28(1): 176-182. Feb. 1935.

Florida

- EDDINS, A. H. Soil treatment with sulphur and limestone for control of bacterial wilt of potatoes. Phytopathology 25(1): 16. Jan. 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Florida (continued)

- EMMEL, M. W. The etiology of fowl paralysis (Neuro-Lymphomatosis gallinarum Pappenheimer), leucosis and allied conditions in the fowl. Jour. Amer. Vet. Med. Assoc. 86(3): 419-423. March 1935.
- FAIRCHILD, G. B. A new Tabanus (Diptera) from Florida. Fla. Ent. 18(4): 53-54. March 1935.
- TISSOT, A. N. A new Myzus from Florida. Fla. Ent. 18(4): 49-52. March 1935.
- WEBER, G. F. An aerial Rhizoctonia on beans. Phytopathology 25(1): 38. Jan. 1935. (Abstract)

Illinois

- ANDERSON, H. W. Black stele root rot of strawberry. Phytopathology 25(1): 5. Jan. 1935. (Abstract)
- KADOW, K. J., and ANDERSON, H. W. The value of zinc sulphate as a peach spray ingredient. Phytopathology 25(1): 22-23. Jan. 1935. (Abstract)
- KOEHLER, B. Pathologic significance of seed-coat injury in dent corn. Phytopathology 25(1): 24. Jan. 1935. (Abstract)
- ROBERTS, E. (With J. H. QUISENBERRY, Univ. Ill.) Linkage of the genes for non-yellow (y) and pink-eye (p₂) in the house mouse (Mus musculus). Amer. Nat. 68(721): 181-183. March-April 1935.
- TORREY, J. P., and GRAHAM, R. A note on experimental salt poisoning in ducks. Cornell Vet. 25(1): 50-53. Jan. 1935. (J. P. Torrey, U. S. Dept. Agr.)

Indiana

- BAINES, R. C. Phytophthora trunk canker of apple. Phytopathology 25(1): 5. Jan. 1935. (Abstract)
- BAINES, R. C., and BENEDICT, H. M. Rate of increase in area of apple-spur leaves. Phytopathology 25(3): 373-375. March 1935. (Phytopathological notes)
- GAYLORD, F. C., FAWCETT, K. I., and HIENTON, T. E. Precooling fresh fruits in refrigerator cars. Agri. Engin. 16(3): 113-115. March 1935.
- MARSHALL, G. E. Preventing spring emergence of codling moths from inaccessible places on trees. Jour. Econ. Ent. 28(1): 120-122. Feb. 1935.

Iowa

- AIKMAN, J. M. Germination of corn in the field as affected by soil and air temperature. Iowa Acad. Sci. Proc. 40(1933): 84. [1934?] (Abstract)
- ANDERSON, D. A., and WALKER, R. H. Influence of nitrogenous compounds on the respiratory quotient of Rhizobium. Iowa Acad. Sci. Proc. 40(1933): 73-74. [1934?] (D. A. Anderson, Iowa State College)
- CALLOWAY, N. O., GILMAN, H., and WERKMAN, C. H. The germicidal action of a -alkylated furic acids. Iowa Acad. Sci. Proc. 40(1933): 81. 1934. (Abstract) (N. O. Calloway and H. Gilman, Iowa State College)
- DEAN, H. L., and SMITH, F. B. The effect of lime and phosphate on nitrification in an acid soil. Iowa Acad. Sci. Proc. 40(1933): 84-85. [1934?] (Abstract) (H. L. Dean, Iowa State College)
- DEAN, H. L., and SMITH, F. B. The effects of potash and crop residues on available potassium in some alkali soils of Iowa. Iowa Acad. Sci. Proc. 40(1933): 96. 1934? (Abstract) (H. L. Dean, Iowa State College)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Iowa (continued)

- ESPE, D. L., and CANNON, C. Y. The relation of the fat content of milk to the passage of the milk curd from the stomach of the calf. Jour. Dairy Sci. 18(3): 141-147. March 1935.
- HUMPHREY, L. M. The somatic chromosomes of *Cypripedium hirsutum* and six species of *Habenaria*. Iowa Acad. Sci. Proc. 40(1933): 75. [1934?] (Abstract)
- KILLINGER, G. B., and SMITH, F. B. The importance of soil colloids to soil micro-organisms. Iowa Acad. Sci. Proc. 40(1933): 86. [1934?] (Abstract)
(G. B. Killinger, Iowa State College)
- KILLINGER, G. B., and SMITH, F. B. Variations in the chemical composition of soils of various types. Iowa Acad. Sci. Proc. 40(1933): 95. [1934?] (Abstract)
(G. B. Killinger, Iowa State College)
- LAMBERT, W. V. (With A. M. SCIUCETTI, Iowa State College) A dwarf mutation in the rat: a Mendelian recessive character possibly due to a defect of one of the endocrine glands. Jour. Heredity 26(2): 91-94. Feb. 1935.
- LAMBERT, W. V., and SHRIGLEY, E. W. An inherited eye defect in the guinea pig. Iowa Acad. Sci. Proc. 40(1933): 227-230. [1934?]
- LAMBERT, W. V. A preliminary study of the reaction of two disease resistant stocks of chickens after infection with their reciprocal pathogens. Iowa Acad. Sci. Proc. 40(1933): 231-234. [1934?]
- LOOMIS, W. E., and WILSON, J. J. Boron-iron relationships in the growth of tomatoes. Iowa Acad. Sci. Proc. 40(1933): 53-56. 1934. (W. E. Loomis, Iowa State College)
- MARTIN, J. N. The development of new lateral roots in relation to the crown buds in *Melilotus alba*. Iowa Acad. Sci. Proc. 40(1933): 79. [1934?] (Abstract)
- MARTIN, J. N. (With A. O. SIMONDS, Iowa State College) The libriform fibers in the roots and crowns of *Medicago* and *Melilotus*. Iowa Acad. Sci. Proc. 40(1933): 82-83. [1934?] (Abstract)
- MARTIN, J. N. Pollen studies of some Leguminosae. Iowa Acad. Sci. Proc. 40(1933): 86-87. [1934?] (Abstract)
- MELHUS, I. E. (With G. C. KENT) Evidence of the overwintering of *Plasmopara australis* in fruits of *Sicyos angulatus*. Phytopathology 25(1): 27. Jan. 1935.
(Abstract)
- MURPHY, H. C. Effect of crown rust on the cold resistance of oats. Phytopathology 25(1): 28. Jan. 1935. (Abstract)
- MURPHY, H. C. Effect of crown rust on yield, water economy, and composition of oats. Phytopathology 25(1): 28-29. Jan. 1935. (Abstract)
- NAGEL, C. M. Conidial production in the genus *Cercospora*. Iowa Acad. Sci. Proc. 40(1933): 77. [1934?] (Abstract)
- REYNOLDS, H., McCLESKEY, C. S., and WERKMAN, C. H. Sugar dissimilation by *Shigella paradysenteriae* variety Sonne. Iowa Acad. Sci. Proc. 40(1933): 81-82. [1934?] (Abstract) (H. Reynolds and C. S. McCleskey, Iowa State College)
- SIMONDS, A. O., and MARTIN, J. N. Contraction of the roots and crowns *Medicago* and *Melilotus*. Iowa Acad. Sci. Proc. 40(1933): 83-84. [1934?] (Abstract)
(A. O. Simonds, Iowa State College)
- SMITH, F. B. (With H. L. DEAN, Iowa State College). The effect of lime on the availability of phosphate in Tama silt loam. Iowa Acad. Sci. Proc. 40(1933): 95. [1934?] (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Iowa (continued)

- SMITH, F. B., and BROWN, P. E. Oxygen absorption and carbon dioxide production in soils. Iowa Acad. Sci. Proc. 40(1933): 74-75. [1934?]
SMITH, F. B. (With H. C. DEAN, Iowa State College). Some effects of fertilization on nitrification in high-lime soils. Iowa Acad. Sci. Proc. 40(1933): 85.[1934?]
(Abstract)

Kansas

- BARHAM, H. N., and SMITS, B. L. Köjic acid - a review. Kans. Acad. Sci. Trans. 66(1934) v. 37: 91-113. [1935?] (H. N. Barham, Kans. State College)
FAY, A. C. The significance of the presence of Escherichia-Aerobacter groups of bacteria in ice cream. Internatl. Assoc. Ice Cream Manufacturers Rpt. of Proc. 34(1934) v. 2: 26-38. [1935?]
GATES, F. C. Kansas botanical notes, 1933. Kans. Acad. Sci. Trans. 66(1934)v.37: 73-74. [1935?]
MARTIN, W. H. Comparison of various Babcock fat modifications for ice cream. Internatl. Assoc. Ice Cream Manufacturers Rpt. of Proc. 34(1934) v. 2: 94-98. [1935?]
SMITH, R. C. A summary of published information about Pharaoh's ant, with observations on the species in Kansas. Kans. Acad. Sci. Trans. 66(1934) v. 37: 139-149 [1935?]
WHITE, W. T., and ISBEN, H. L. Color inheritance in Galloway-Holstein crosses. Jour. Heredity 26(2): 75-84. Feb. 1935.

Kentucky

- BUCKNER, G. D., INSKO, W. M., jr., and MARTIN, J. H. Marl for laying hens. Poultry Sci. 14(2): 125-126. March 1935.
VALLEAU, W. D. Do tobacco plants recover and develop an immunity from ring spot? Phytopathology 25(1): 37. Jan. 1935. (Abstract)
VALLEAU, W. D. The resistance of Ambalema tobacco to different viruses. Phytopathology 25(1): 37. Jan. 1935. (Abstract)

Louisiana

- MAYHEW, R. L. The hydrogen-ion concentration of the digestive tract of the fowl. Jour. Amer. Vet. Med. Assoc. 86(2): 148-152. Feb. 1935.
TIMS, E. C. Severe type of mosaic on a sugar-cane variety. Phytopathology 25(1): 36-37. Jan. 1935. (Abstract)
TIMS, E. C. A Stilbum disease of fig in Louisiana. Phytopathology 25(2): 208-222. Feb. 1935.

Maine

- DIRKS, C. O. Larval production and adult emergence of the apple fruit fly in relation to apple varieties. Jour. Econ. Ent. 28(1): 198-203. Feb. 1935.

Maryland

- JANGFORD, G. S. and McCONNELL, H. S. Biology of Tomostethus multicinctus (Roh.), a sawfly attacking ash. Journ. Econ. Ent. 28(1): 208-210. Feb. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Massachusetts

- BROUDY, H. Control experiments against Fuller's rose beetle (*Asynonychus godmani* Crotch) on roses in commercial greenhouses. Jour. Econ. Ent. 28(1): 248-249. Feb. 1935. (Scientific notes)
- EISENMENGER, W. S. Toxicity of aluminum on seedlings and action of certain ions in the elimination of the toxic effects. Plant Physiol. 10(1): 1-25. Jan. 1935.
- HAYS, F. A. Progeny of inbred and non-inbred Rhode Island Red males. Poultry Sci. 14(2): 122-125. March 1935.
- MACK, M. J., and FELLERS, C. R. The use of frozen sliced strawberries in ice cream. Internatl. Assoc. Ice Cream Manufacturers Rpt. of Proc. 34(1934) v. 2: 51-56. [1935?]
- MACK, M. J., and FELLERS, C. R. Using frozen sliced strawberries in manufacturing ice cream. Ice Cream Trade Jour. 30(12): 27-28. Dec. 1934. (M. J. Mack, Mass. State College)
- MUELLER, W. S. A method for the determination of the relative stiffness of cream during the whipping process. Jour. Dairy Sci. 18(3): 177-180. March 1935.

Michigan

- BOUYOUCOS, G. J. Simple and rapid methods for ascertaining the existing structural stability of soil aggregates. Jour. Amer. Soc. Agron. 27(3): 222-227. March 1935.
- BRYAN, C. S. The microscopic diagnosis of infectious mastitis. Vet. Med. 30(4): 149-155. April 1935.
- GILTNER, W. [and others] Report of committee on parasitic diseases. Jour. Amer. Vet. Med. Assoc. 86(3): 435-442. March 1935.
- MOROFESKY, W. F. A preliminary survey of the insect fauna of some typical Michigan trout streams. Journ. Econ. Ent. 28(1): 82-86. Feb. 1935.
- MORSE, H. H. The toxic influence of fluorine in phosphatic fertilizers on the germination of corn. Soil Sci. 39(3): 177-195. March 1935.
- NELSON, R., and COCHRAN, L. C. Taxonomy of the *Fusaria* that cause celery wilt (yellows). Phytopathology 25(1): 29. Jan. 1935. (Abstract)
- NELSON, R., and COCHRAN, L. C. Three forms of the *Fusarium* wilt of celery. Phytopathology 25(1): 29. Jan. 1935. (Abstract)
- STAFSETH, H. J. (With F. CAMARGO, Mexico Inst. Vet. Med.). On the disinfection of poultry-houses by means of fire-guns. Jour. Amer. Vet. Med. Assoc. 86(2): 162-166. Feb. 1935.

Minnesota

- ALDERMAN, W. H. Importance of hardy root stock. Minn. Hort. 63(3): 45, 53. March 1935.
- ALLISON, C. C. Hybridization between *Ustilago hordei* and *U. medians*. Phytopathology 25(1): 5. Jan. 1935. (Abstract)
- ANGELO, E. Pruning fruit trees. Minn. Hort. 63(3): 49, 56, 57. March 1935.
- BROWN, R. M. Statistical analyses for finding a simple method for estimating the percentage heart rot in Minnesota aspen. Jour. Agr. Research [U. S.] 49(10): 929-942. Nov. 15, 1934.
- CHRISTENSEN, J. J., and STAKMAN, E. C. Relation of *Fusarium* and *Helminthosporium* in barley seed to seedling blight and yield. Phytopathology 25(3): 309-327. March 1935.
- COMBS, W. B. Methods of testing frozen cream. Internatl. Assoc. Ice Cream Manufacturers Rpt. of Proc. 34(1934) v. 2: 91-94. [1935?]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Minnesota (continued)

- DARLING, H. M., LEACH, J. G., and KRANTZ, F. A. Scab resistance in potato seedlings. *Phytopathology* 25(1): 13-14. Jan. 1935. (Abstract) (H. M. Darling, U. S. Dept. Agr.)
- ECKLES, C. H. [and others] Effects of uncomplicated phosphorus deficiency on estrous cycle, reproduction, and composition of tissues of mature dairy cows. *Cornell Vet.* 25(1): 22-43. Feb. 1935.
- FITCH, C. P. [and others] Report of committee on Bang's disease. *Jour. Amer. Vet. Med. Assoc.* 86(3): 311-312. March 1935.
- JOHNSON, I. J., and CHRISTENSEN, J. J. Relation between number, size, and location of smut infections to reduction in yield of corn. *Phytopathology* 25(2): 223-233. Feb. 1935.
- LASBY, H. A., and PALMER, L. S. Nutritional anemia, calcium phosphorus and nitrogen balance and bone composition of rats fed raw versus pasteurized milk. *Jour. Dairy Sci.* 18(3): 181-192. March 1935.
- LEACH, J. G., and CURRENCE, T. M. Resistance to Fusarium wilt in muskmelon. *Phytopathology* 25(1): 25. Jan. 1935. (Abstract)
- LEVINE, M. H., and STAKMAN, E. C. Uniform rust nurseries indicate decreasing severity of stem rust. *Phytopathology* 25(1): 225. Jan. 1935. (Abstract)
- MICKEL, C. E. The female sex of the genus *Photomorphus* (Mutillidae). *Ann. Ent. Soc. Amer.* 27(4): 610-613. Dec. 1934.
- MOORE, M. B., and ALLISON, C. C. An albino strain of barley smut. *Phytopathology* 25(1): 27-28. Jan. 1935. (Abstract)
- MOORE, M. B., and ALLISON, C. C. The distribution of intermediate types of barley smuts. *Phytopathology* 25(1): 28. Jan. 1935. (Abstract)
- NILSON, H. W., PALMER, L. S., and KENNEDY, C. Physiological effects of pituitary growth hormone: growth and efficiency of food utilization. *Amer. Jour. Physiol.* 111(2): 341-351. March 1, 1935.
- SANDO, L. Edible fruits from Minnesota wild and cultivated plants. *Minn. Hort.* 63(3): 43-44. March 1935.
- STAKMAN, E. C. Epidemiology of cereal rusts. *Pacific Sci. Cong. Proc.* 5(1933) v. 4: 3177-3184. 1934. (In Coop. with U. S. Dept. Agr.)
- STAKMAN, E. C. [and others] Experiments on physiologic specialization and nature of variation in *Ustilago zeae*. *Phytopathology* 25(1): 34. Jan. 1935. (Abstract)
- STAKMAN, E. C., HINES, L., CASSELL, R. C., and LEVINE, M. N. Population trends of *Puccinia graminis tritici*, 1930 to 1934. *Phytopathology* 25(1): 34. Jan. 1935. (Abstract) (L. Hines and R. C. Cassell, U. S. Dept. Agr.)
- TYLER, L. J., and SHUMWAY, C. P. Hybridization between *Sphacelotheca sorghi* and *Sporosporium reilianum*. *Phytopathology* 25(3): 375-376. March 1935. (Note)

Mississippi

- GREENE, S. W. Relation between winter grass fires and cattle grazing in the longleaf pine belt. *Jour. Forestry* 33(3): 338-341. March 1935.
- JONES, T. N., and PALMER, L. O. The physiological reactions of forage crops under the various methods of field curing. *Amer. Jour. Bot.* 21(10): 707. Dec. 1934. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Missouri

- REID, W. H. E. Increasing the sale of bulk and packaged ice cream through co-operation. Ice Cream Rev. 18(8): 48-51. March 1935.
- REID, W. H. E. (With R. O. BRIGGSON, Univ. Mo.). The relation of different ingredients of ice cream to its freezing and supercooling points. Internatl. Assoc. Ice Cream Manufacturers Rpt. of Proc. 34(1934) v. 2: 98-103. [1935]
- WINN, C. C., and REID, W. H. E. Air conditioning: its value in the ice cream industry. Ice Cream Rev. 18(8): 39, 80, 82. March 1935. (C. C. Winn, Dean Engin., Detroit Inst. Tech.)

Montana

- MARTIN, W. M. Electrokinetic properties of proteins. III. The role of electrical forces in the adsorption of gliadin at a glass-liquid interface. Jour. Phys. Chem. 39(2): 249-263. Feb. 1935.
- PEPPER, J. H., and STRAND, A. L. The importance of surface temperatures in heat sterilization. Jour. Econ. Ent. 28(1): 242-244. Feb. 1935.
- YOUNG, H. C. (With J. R. BECKENBACH) Insoluble copper compounds as substitutes for Bordaaux. Phytopathology 25(1): 40. Jan. 1935. (Abstract)
- YOUNG, P. A. A new variety of Tilletia tritici in Montana. Phytopathology 25(1): 40. Jan. 1935. (Abstract)
- YOUNG, P. A. Oil-mass theory of petroleum-oil penetration into protoplasm. Amer. Jour. Bot. 22(1): 1-8. Jan. 1935.
- YOUNG, P. A. Sclerotinia rot of pumpkin and squash. Phytopathology 25(1): 39-40. Jan. 1935. (Abstract)

Nebraska

- DAVIS, H. P. Merchandising ice cream today: some suggestions for increasing your sales. Ice Cream Rev. 18(8): 53-54, 74. March 1935.
- MUSSEHL, F. E., and ACKERSON, C. W. Utilization of protein concentrates by the growing chick. Poultry Sci. 14(2): 119-121. March 1935.
- VAN ES, L., and OLNEY, J. F. Environment and poultry diseases. Jour. Amer. Vet. Med. Assoc. 86(3): 390-406. March 1935. (L. Van Es, Univ. Nebr.)
- WEAVER, J. E., HOUGEN, V. H., and WELDON, M. D. Relation of root distribution to organic matter in prairie soil. Bot. Gaz. 96(3): 389-420. March 1935. (J. E. Weaver and V. H. Hougen, Univ. Nebr.)
- WERNER, H. O. Is there any difference in the productivity of dry land and irrigated seed potatoes? Amer. Potato Jour. 12(3): 64-67. March 1935.

Nevada

- CHURCH, J. E. Evaporation at high altitudes and latitudes. Amer. Geophysical Union Trans. 15(1934) pt. 2: 326-342. June 1934.
- CHURCH, J. E. Measurements of evaporation and temperature from soil and water in southern Greenland. Amer. Geophysical Union Trans. 15(1934) pt. 2: 343-351. June 1934.
- ELGES, C. Improvements in forecasting the flow of the Humboldt River, Nevada. Amer. Geophysical Union Trans. (1934) pt. 2: 630-631. June 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

New Jersey

- ALLEN, M. C., and HAINSELER, C. M. Antagonistic action of *Trichoderma* on *Rhizoctonia* and other soil fungi. *Phytopathology* 25(2): 244-252. Feb. 1935.
- BURDETTE, R. C. Derris dusts and oil-lead arsenate spray for squash vine borer (*M. satyriniformis* Hbn.) *Jour. Econ. Ent.* 28(1): 229-231. Feb. 1935.
- DAVIDSON, O. W. and SHIVE, J. W. Determination of the nitrogenous fractions in vegetative tissue of the peach. *Plant Physiol.* 10(1): 73-92. Jan. 1935.
- DRIGGERS, B. F., and PEPPER, B. B. Further experiments with fixed nicotine compounds in codling moth control. *Jour. Econ. Ent.* 28(1): 162-171. Feb. 1935.
- GINSBURG, J. M. New wetting agents for old insecticides. *Jour. Econ. Ent.* 28(1): 224-228. Feb. 1935.
- GINSBURG, J. M., SCHMILT, J. B., and GRANETT, P. Utilization of a completely refined, low-boiling petroleum distillate in controlling insects infesting chrysanthemum and other plants. *Jour. Econ. Ent.* 28(1): 236-242. Feb. 1935.
- HEADLEE, T. J. Research needs of codling moth control. *Jour. Econ. Ent.* 28(1): 172-176. Feb. 1935.
- PEPPER, B. B., and DRIGGERS, B. F. Non-economic insects as intermediate hosts of parasites of the oriental fruit moth. *Ann. Ent. Soc. Amer.* 27(4): 593-598. Dec. 1934.
- RHINES, C. The persistence of avian tubercle bacilli in soil and in association with soil microorganisms. *Jour. Bact.* 29(3): 299-311. March 1935.
- STARKEY, R. L. Isolation of some bacteria which oxidize thiosulfate. *Soil Sci.* 39(3): 197-219. March 1935.
- TISCHLER, N. Studies on how derris kills insects. *Jour. Econ. Ent.* 28(1): 215-220. Feb. 1935.

New Mexico

- STROMAN, G. N. Genetic relations of three genes for anther color in cotton. *Jour. Amer. Soc. Agron.* 27(3): 208-215. March 1935.

New York(State)

- CHAPMAN, P. J. The codling moth control problem in districts infested with apple maggot. *Jour. Econ. Ent.* 28(1): 184-187. Feb. 1935.
- COLLINS, D. L., and MACHADO, W. Comments upon phototropism in the codling moth with reference to the physiology of the compound eyes. *Jour. Econ. Ent.* 28(1): 103-106. Feb. 1935.
- COX, J. A., and DANIEL, D. M. *Ascogaster carpocapsae* Viereck in relation to arsenical sprays. *Jour. Econ. Ent.* 28(1): 113-120. Feb. 1935.
- CROSIER, W. Joined spores of *Ascochyta viciae*. *Phytopathology* 25(2): 283-284. Feb. 1935.
- CROSIER, W., and REDDICK, D. Some ecologic relations of *Phytophthora infestans*. *Phytopathology* 25(1): 13. Jan. 1935. (Abstract)
- DAHLBERG, A. C. High solids ice cream. *Internatl. Assoc. Ice Cream Manufacturers Rpt. of Proc.* 34(1934) v. 2: 57-63. [1935?]
- DAHLBERG, A. C. Ice cream with high solids. *Ice Cream Trade Jour.* 31(1): 30-31. Jan. 1935.
- GLASGOW, H. Substitutes for lead arsenate in cherry fruit fly control. *Jour. Econ. Ent.* 28(1): 205-207. Feb. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

New York (State) (continued)

- HARMAN, S. W. How we met the codling moth situation in western New York in 1934. Jour. Econ. Ent. 28(1): 187-189. Feb. 1935.
- HARMAN, S. W., REED, T. W., and MACK, G. L. The insecticidal efficiency of various nicotine compounds for control of the codling moth, 1934. Jour. Econ. Ent. 28(1): 109-112. Feb. 1935.
- HOFER, A. W. Methods for distinguishing between legume bacteria and their most common contaminant. Jour. Amer. Soc. Agron. 27(3): 228-230. March 1935.
- HORSFALL, J. G., and HAMILTON, J. M. Some fungicidal possibilities of red copper oxide. Phytopathology 25(1): 21. Jan. 1935. (Abstract)
- PARROTT, P. J., and COLLINS, D. L. Some future observations on the influence of artificial light upon codling moth infestations. Jour. Econ. Ent. 28(1): 99-103. Feb. 1935.
- SHUCK, A. L. Light as a factor influencing the dormancy of lettuce seeds. Plant Physiol. 10(1): 193-196. Jan. 1935. (Brief paper)

New York (Cornell)

- BRONKHORST, J. J. and HALL, G. O. Hatchability studies. II. A physical study of eggs from high and low hatching hens. Poultry Sci. 14(2): 112-115. March 1935. (J. J. Bronkhorst, Cornell Univ.)
- GRISWOLD, G. H. Oviposition in the columbine borer, *Papaipema purpurifascia* (G. & R.) and the iris borer, *Macronoctua onusta* Grt. Ann. Ent. Soc. Amer. 27(4): 545-549. Dec. 1934.
- GUSTAFSON, A. F. Composition of black locust leaf mold and leaves and some observations on the effects of the black locust. Jour. Amer. Soc. Agron. 27(3): 237-240. March 1935.
- GUTERMAN, C. E. F. Control of aster leaf rust. Phytopathology 25(1): 17-18. Jan. 1935. (Abstract)
- GUTERMAN, C. E. F., and MASSEY, L. M. A liquid formaldehyde treatment to control damping off of flower seedlings. Phytopathology 25(1): 18. Jan. 1935 (Abstract)
- HILDEBRAND, E. M. Longevity of the fire-blight organism in the honeybee environment. Phytopathology 25(1): 20. Jan. 1935. (Abstract)
- HILDEBRAND, E. M., and MacDANIELS, L. H. Modes of entry of *Erwinia amylovora* into the flowers of the principal pome fruits. Phytopathology 25(1): 20. Jan. 1935. (Abstract)
- HUTT, F. B. An earlier record of the toothless men of Sind. Jour. Heredity 26(2): 65-66. Feb. 1935.
- KNUDSON, L. Giant plastids in ferns produced from X-rayed spores. Amer. Jour. Bot. 21(10): 712-713. Dec. 1934. (Abstract)
- KNUDSON, L. Non-symbiotic germination of orchid seed. Amer. Jour. Bot. 21(10): 712. Dec. 1934. (Abstract)
- MacLEOD, G. F. (With W. A. RAWLINS) A comparative study of wireworms in relation to potato tuber injury. Jour. Econ. Ent. 28(1): 192-195. Feb. 1935.
- MacLEOD, G. F. (With F. B. MAGNAN) Some factors involved in measuring results of experiments with onion thrips. Jour. Econ. Ent. 28(1): 150-153. Feb. 1935.
- NEWHALL, A. G. A study of electric soil sterilization. Phytopathology 25(1): 29-30. Jan. 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

New York (Cornell) (continued)

- PHILLIPS, E. F. The increasing complexities of economic entomology. Jour. Econ. Ent. 28(1): 32-46. Feb. 1935.
- PRIDHAM, A. M. S. (With F. R. SHAW) Influence of variation in storage temperature on growth of gladiolus and on gladiolus thrips. (In New England Gladiolus Soc. Year Book (1934): 84-85. 1934)
- STUART, W. W., and NEWHALL, A. G. Further evidence of the seed-borne nature of *Peronospora destructor*. Phytopathology 25(1): 35. Jan. 1935. (Abstract)
- WILSON, J. K. Indigenous species of *Rhizobium* in the Arnot Forest. Jour. Amer. Soc. Agron. 27(3): 231-236. March 1935.

North Carolina

- HAMILTON, C. H. Rural-urban migration in the Tennessee Valley between 1920 and 1930. Social Forces 13(1): 57-64. Oct. 1934.

Ohio

- CUTRIGHT, C. R., and MORRISON, H. E. Varietal susceptibility to codling moth injury. Jour. Econ. Ent. 28(1): 107-109. Feb. 1935.
- HUBER, L. L. and SLEESMAN, J. P. Technique of field experimentation in entomology. II. The reduction of data by the method of analysis of variance. Jour. Econ. Ent. 28(1): 70-76. Feb. 1935.
- LOUGHERY, F. G. and CONREY, G. W. The use of sodium oxalate and carbonate in dispersing soils for mechanical analysis. Internatl. Soc. Soil Sci. Comptes Rendus, First Commission (1934): 29-40. 1934.
- MILLER, R. C. The battle for adequate farm buildings. Agr. Engin. 16(3): 111-112. March 1935.
- THOMAS, R. C. A bacteriophage in relation to Stewart's disease of corn. Phytopathology 25(3): 371-372. March 1935.
- TILFORD, P. E. Fasciation of sweet peas: a bacterial disease. Phytopathology 25(1): 36. Jan. 1935. (Abstract)
- TILFORD, P. E. The use of the quinhydrone and antimony electrodes for determining the pH of solid culture media. Phytopathology 25(3): 362-367. March 1935.

Oregon

- BROWN, G. G. Bulk fruit thinning and wide spacing of Newtown apples. Oreg. State Hort. Soc. Rpt. 26(1934): 49-52. [1935]
- CHILDS, L. Substitutes for lead arsenate in codling moth control in the Hood River Valley. Oreg. State Hort. Soc. Rpt. 26(1934): 85, 87-89. [1935]
- KIENHOLZ, J., and CHILDS, L. Pear scab in the Hood River Valley. Oreg. State Hort. Soc. Rpt. 26(1934): 65-69. [1935] (J. Kienholz, U. S. Dept. Agr.)
- LEWIS, M. R. Discussion of "Fundamental principles governing the physical control of ground-water." Amer. Geophysical Union Trans. 15(1934) pt. 2: 666-667. June 1934.
- NOTE, D. C., and THOMPSON, E. G. Recent research in insecticides: substitutes for lead arsenate. Pacific Sci. Cong. Proc. 5(1933) v. 5: 3411-3417. 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Oregon (continued)

- PRICE, F. E. Walnut drying. *Oreg. State Hort. Soc. Rpt.* 26(1934): 137-140. [1935]
ROBINSON, R. H., and HATCH, M. B. Volatility of spray oils in relation to injury.
Oreg. State Hort. Soc. Rpt. 26(1934): 81-84. [1935]
SIMMS, B. T., and MUTH, O. H. Salmon poisoning: transmission and immunization
studies. *Pacific Sci. Cong. Proc.* 5(1933) v. 4: 2949-2960. 1934.
STEPHENSON, R. E. Making humus with orchard cover crops. *Oreg. State Hort. Soc.*
Rpt. 26(1934): 31-37. [1935]
ZELLER, S. M. Cherry mottle leaf. *Oreg. State Hort. Soc. Rpt.* 26(1934): 92-95.
[1935]

Pennsylvania

- BEACH, W. S. Tobacco wildfire control in Pennsylvania. *Phytopathology* 25(1): 6.
Jan. 1935. (Abstract)
FROST, S. W. Notes on summer contact sprays for peach. *Jour. Econ. Ent.* 28(1):
196-197. Feb. 1935.
KRIBS, D. A. Salient lines of structural specilization in the wood rays of
dicotyledons. *Bot. Gaz.* 96(3): 547-557. March 1935.
OVERHOLTS, L. O. The morels of Pennsylvania. *Penn. Acad. Sci. Proc.* v. 8(1934):
108-114. 1934.
OVERHOLTS, L. O., and CAMPBELL, W. A. The powdery mildews of central Pennsylvania.
Penn. Acad. Sci. Proc. v. 8(1934): 114-124. 1934.
POPP, H. W., and BROWN, F. Further studies on the effect of ultra-violet radia-
tion on seedlings. *Amer. Jour. Bot.* 21(10): 705. Dec. 1934. (Abstract)
THOMAS, C. A. A method for protecting mushroom grain spawn against springtails
and certain other mushroom pests. *Jour. Econ. Ent.* 28(1): 247. Feb. 1935.
(Scientific note)

Rhode Island

- DELAPLANE, J. P., and STUART, H. O. The survival of avian coccidia in soil.
Poultry Sci. 14(2): 67-69. March 1935.
ODLAND, T. E., and KNOBLAUCH, H. C. A 25-year field comparison of high magnesium
and high calcium limes. *Jour. Amer. Soc. Agron.* 27(3): 216-221. March 1935.

South Carolina

- ARNDT, C. H. Notes on polyembryony and multiple shoots from the seed in *Mangifera*
indica. *Amer. Jour. Bot.* 22(1): 26-30. Jan. 1935.
WATTS, J. G. *Chirothripoides dandropogonus*, a new species of thrips of a family
new to North America. *Ann. Ent. Soc. Amer.* 27(4): 542-544. Dec. 1934.

Tennessee

- MARCOVITCH, S. Experimental evidence on the value of strip farming as a method
for the natural control of injurious insects with special reference to plant
lice. *Jour. Econ. Ent.* 28(1): 62-70. Feb. 1935.

Texas

- EZEKIEL, W. N., and TAUBENHAUS, J. J. Field trials of pentachlorethane, tetra-
chlorethane, and xylol as affecting *Phymatotrichum* root rot and host plants.
Phytopathology 25(1): 16. Jan. 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Texas (continued)

- TAUBENHAUS, J. J., and EZEKIEL, W. N. Further studies on the longevity of sclerotia of *Phymatotrichum omnivorum*. *Phytopathology* 25(1): 36. Jan. 1935. (Abstract)
- TAUBENHAUS, J. J. (With P. DECKER) Laboratory and field studies on sulphur as a fungicide. *Phytopathology* 25(1): 35-36. Jan. 1935. (Abstract)
- YARNELL, S. H. Pecan seedling rootstock studies. *Texas Pecan Growers Assoc. Proc.* 14(1934): 15-17. [1934]

Utah

- KNOWLTON, G. F., and ROWE, J. A. New blood-sucking flies from Utah (*Simuliidae*, *Diptera*). *Ann. Ent. Soc. Amer.* 27(4): 580-584. Dec. 1934.

Virginia

- COOK, H. T. Occurrence of oospores of *Peronospora effusa* with commercial spinach seed. *Phytopathology* 25(1): 11-12. Jan. 1935. (Abstract)
- COOK, H. T. (With J. A. CALLENBACH) Spinach seed treatments in Virginia. *Phytopathology* 25(1): 12. Jan. 1935. (Abstract)
- PROVES, A. B. Early spraying and scab prevention. *Virginia Fruit* 23(3): 24. March 1935.
- HENDERSON, R. G. Control of downy mildew of tobacco. *Phytopathology* 25(1): 19. Jan. 1935. (Abstract)
- HESTER, J. B. The amphoteric nature of three coastal plain soils: I. In relation to plant growth. *Soil Sci.* 39(3): 237-245. March 1935.
- HESTER, J. B. The amphoteric nature of three coastal plain soils: II. In relation to the leaching and absorption of soil constituents by plants. *Soil Sci.* 39(3): 247-254. March 1935.
- SCHOENE, W. J., and JEFFERSON, R. N. Tests of contact insecticides on the eggs of the peach moth and the codling moth. *Jour. Econ. Ent.* 28(1): 182-184 Feb. 1935.
- SHEAR, G. M. Arsenic in the soil. *Virginia Fruit* 23(3): 28-29. March 1935.
- WINGARD, S. A. The control of plant diseases through the use of resistant varieties. *Virginia Fruit* 23(3): 29-30. March 1935.
- WINGARD, S. A. Host-parasite relationship in bean rust. *Phytopathology* 25(1): 39. Jan. 1935. (Abstract)

Washington

- CAPVER, J. S., and HOUGHAN, M. Sexual differences in growth and utilization of feed in White Leghorn chicks. *Poultry Sci.* 14(2): 118, 121. March 1934.
- GAINES, E. F. The results of recent research in genetics. *Pacific Sci. Cong. Proc.* 5(1933) v. 4: 2627-2629. 1934.
- HAMPSON, C. C. Discussion on "Evaluation of apple lands." *Wash. State Hort. Assoc. Proc.* 30(1934): 34-35. [1935]
- HAMPSON, C. C. Pear trends. *Wash. State Hort. Assoc. Proc.* 30(1934): 36-41 [1935]
- JOHNSON, E. C. Application of science to agriculture in the north temperate zone on the eastern side of the Pacific Ocean. *Pacific Sci. Cong. Proc.* 5 (1933) v. 1: 589-595. 1934.
- MARSHALL, J., EIDE, P. M., and PRIEST, A. E. Increasing and maintaining lead arsenate deposits for codling moth control. *Wash. State Hort. Assoc. Proc.* 30(1934): 52-64. [1935]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Washington (continued)

- OVERLEY, F. L. [and others] Further experiments on spray residue removal. Wash. State Hort. Assoc. Proc. 30(1934): 77-82. [1935]
- OVERLEY, F. L., and OVERHOLSER, E. L. Progress report of fertilizer studies with apples. Oreg. State Hort. Soc. Rpt. 26(1934): 44-48. [1935]
- OVERLEY, F. L., and OVERHOLSER, E. L. Progress report of fertilizer studies with apples. Wash. State Hort. Assoc. Proc. 30(1934): 45-49. [1935]
- PROUTY, C. C., and OLSON, R. T. The use of sodium thiosulphate dilution blanks in determining the germicidal efficiency of chlorine sterilizers. Jour. Dairy Sci. 18(3): 171-175. March 1935.
- ROBERTS, E. H. The relative importance of various characteristics in utensils used on the electric range. Jour. Home Econ. 27(3): 174-178. March 1935.
- SINGLETON, H. P. Cover crops in irrigated orchards. Wash. State Hort. Assoc. Proc. 30(1934): 94-96. [1935]
- VANDECAVEYE, S. C. The value of soil analyses in determining the needs of orchard soils. Wash. State Hort. Assoc. Proc. 30(1934): 42-44. [1935]
- WEBSTER, R. L. A nine year study of codling moth trap records. Wash. State Hort. Assoc. Proc. 30(1934): 50-51. [1935]

West Virginia

- ORTON, C. R. Dissociation of *Fusarium nivium* in soil. Phytopathology 25(1): 30. Jan. 1935. (Abstract)

Wisconsin

- BEACH, B. A. The influence of bovine serum on brucella infection in guinea pigs. Jour. Infect. Diseases 56(1): 38-40. Jan.-Feb. 1935
- BRINK, R. A. Cytogenetic evolutionary processes in plants. Amer. Nat. 68(721): 97-124. March-April 1935.
- COMBER, H. A., RIKER, A. J., and PETERSON, W. H. Biochemic studies on the metabolism of crown-gall and hairy-root bacteria and on the composition of crown galls. Phytopathology 25(1): 11. Jan. 1935. (Abstract)
- DICKSON, J. G. The nature of immunity in plants. Pacific Sci. Cong. Proc. 5 (1933) v. 4: 3211-3219. 1934. (In Coop. with U. S. Dept. Agr.)
- ELVEHJEM, C. A., and KOEHN, C. J., Jr. Studies on vitamin B₂ (G): the non-identity of vitamin B₂ and flavins. Jour. Biol. Chem. 108(3): 709-728. March 1935.
- FINCH, A. H. Physiology of apple varieties. Plant Physiol. 10(1): 49-72. Jan. 1935.
- IVANOFF, S. S., and RIKER, A. J. Resistance of sweet corn to bacterial wilt. Phytopathology 25(1): 21-22. Jan. 1935. (Abstract)
- JOHNSON, J. (With I. A. HOGGAN) A descriptive key for plant viruses. Phytopathology 25(3): 328-343. March 1935.
- KEITT, G. W. (With D. H. PALMITER) Fungicidal properties of certain copper-lime-arsenite preparations. Phytopathology 25(1): 23-24. Jan. 1935. (Abstract)
- KEITT, G. W. Progress in the development of eradicant fungicides. Phytopathology 25(1): 23. Jan. 1935. (Abstract)
- KLING, B. E., ELVEHJEM, C. A., and MALPIN, J. G. The effect of the hen's diet on the bone changes in rachitic chicks. Poultry Sci. 14(2): 116-118. March 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Wisconsin (continued)

- KNOWLES, H. R., HART, E. B., and HALPIN, J. G. The variation in the calcium level of the blood of the domestic fowl. *Poultry Sci.* 14(2): 83-89. March 1935.
- MCCARTER, J., BEACH, B. A., and HASTINGS, E. G. The relation of the avian tubercle bacillus to tuberculosis in swine and incidentally in cattle. *Jour. Amer. Vet. Med. Assoc.* 86(2): 168-175. Feb. 1935.
- MAGIE, R. O. Variability of monosporic cultures of *Coccomyces hiemalis*. *Phytopathology* 25(2): p. 131-159. Feb. 1935.
- MORRELL, S., and LINK, K. P. Derivations of d-galacturonic acid. I. Esterification and acylation of d-galacturonic acid. *Jour. Biol. Chem.* 108(3): 763-771. March 1935.
- PINCKARD, J. A. Physiologic studies of several pathogenic bacteria that induce cell stimulation in plants. *Phytopathology* 25(1): 31. Jan. 1935. (Abstract)
- PRICE, W. V., and NORTH, G. C. The mechanical control of the fat content of Swiss cheese. *Jour. Dairy Sci.* 18(3): 149-161. March 1935.
- RIKER, A. J., IVANOFF, S. S., and KILMER, F. B. Antiseptic solutions and antiseptic adhesive tape in relation to control of hairy root, crown gall, and other over-growths on nursery apple trees. *Phytopathology* 25(2): 192-207. Feb. 1935.
- RIKER, A. J., PALMITER, D. H., and HILDEBRAND, E. M. Some environmental factors influencing the development of apple hairy-root and of *Phytopomonas rhizogenes*. *Phytopathology* 25(1): 32. Jan. 1935. (Abstract)
- RITCHER, P. O., and FLUKE, C. L., jr. *Exoprosocopa fasciata* Macq., white grub pupal parasite. *Jour. Econ. Ent.* 28(1): 248. Feb. 1935 (Scientific note)
- WALKER, J. C., and LINK, K. P. Toxicity of phenolic compounds to certain onion bulb parasites. *Bot. Gaz.* 96(3): 468-484. March 1935. (J. C. Walker, Univ. Wis.)

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LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1935*

Arkansas

- Drought emergency livestock feeding. M. W. Muldrow. (Ark. Agr. Col. Ext. Circ. 332.) 524 Post Office Bldg., Little Rock, 1934.
The 1935 agricultural outlook for Arkansas. J. H. Heckman and E. D. White. (Ark. Agr. Col. Ext. Circ. 333.) 524 Post Office Bldg., Little Rock, 1934.

California

- Pruning vinifera grapevines. A. J. Winkler. (Calif. Agr. Col. Ext. Circ. 89.) Berkeley, 1934.

Connecticut

- Home finances. G. Stratton. (Conn. State Col. Ext. Bul. 211.) Storrs, 1934.
Grow healthy chicks--mature healthy pullets. R. E. Jones. (Conn. State Col. Ext. Bul. 212.) Storrs, 1934.
Summer and fall pasture. J. S. Owens. (Conn. State Col. Ext. Bul. 213.) Storrs, 1935.
Permanent pastures. J. S. Owens. (Conn. State Col. Ext. Bul. 214.) Storrs, 1935.
Vegetable fertilizers with special emphasis on home mixing. A. E. Wilkinson. (Conn. State Col. Ext. Bul. 215.) Storrs, 1935.
Spray program for apple and peach, 1935. H. A. Rollins. (Conn. State Col. Ext. Bul. 216.) Storrs, 1935.

Florida

- School lunches. A. M. Sikes and E. R. Culley. (Fla. State Col. for Women, Ext. Circ. 37.) Tallahassee, 1934.
The Florida agricultural outlook for 1935. (Fla. Univ. Agr. Ext. Misc. Pub. 5.) Gainesville, 1934.

Georgia

- The farm pork supply. W. S. Rice and L. H. Marlatt. (Ga. Agr. Col. Ext. Bul. 448.) Athens, 1935.
Save steps with a kitchen sink. G. I. Johnson. (Ga. Agr. Col. Ext. Circ. 259.) Athens, 1935.

Idaho

- Water supply and plumbing for the farm home. H. Beresford. (Idaho Univ. Agr. Col. Ext. Bul. 95.) Moscow, 1934.
Prevention and control of poultry diseases. E. M. Gildow and others. (Idaho Univ. Agr. Col. Ext. Circ. 49.) Moscow, 1934.

Illinois

- Tomato diseases and insect pests, identification and control. K. J. Kadow and L. H. Shropshire. (Ill. Agr. Expt. Sta. Circ. 428.) Urbana, 1935.

Indiana

- Budding and grafting of fruit trees. Revised by J. A. McClintock. (Purdue Univ. Dept. Agr. Ext. Leaflet 127, 2d rev. ed.) LaFayette, 1935.
Farmers' institute schedule for Indiana 1934-1935. W. Q. Fitch. Purdue Univ. Dept. Agr. Ext. [unnumbered] LaFayette, 1934.

*Prepared in Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1935
(Continued)

Indiana (Continued)

The outlook for Indiana agriculture in 1935. Prepared by the Department of Farm Management and others. Purdue Univ. Dept. Agr. Ext. [unnumbered] LaFayette, 1934.

Kansas

Food production plan for Kansas farmers. Reduce food costs by using home-grown foods. C. Foote and G. Anderson. (Kans. State Col. Ext. Circ. 96, rev.) Manhattan, 1934.

The Kansas agricultural outlook for 1935. (Kans. State Col. Ext. Circ. 112.) Manhattan, 1935.

Maryland

Bang's disease, questions and answers. M. Welsh. (Md. Univ. [Agr.] Ext. Circ. 110.) College Park, 1935.

Massachusetts

Making Bordeaux mixture. Department of Botany. (Mass. State Col. Ext. Leaflet 33, rev.) Amherst, 1935.

Pumpkins and squashes. P. W. Dempsey. (Mass. State Col. Ext. Leaflet 101, rev.) Amherst, 1935.

How to grow sweet corn. P. W. Dempsey. (Mass. State Col. Ext. Leaflet 102, rev.) Amherst, 1935.

Michigan

Care of the sewing machine. A. J. Bell. (Mich. State Col. Ext. Bul. 143.) East Lansing, 1935.

House cleaning made easier. (Mich. State Col. Ext. Course Notes no. 113.) East Lansing, 1934.

Good Management in the Home, Discussion I.

Modern laundry equipment, supplies, and methods. (Mich. State Col. Ext. Course Notes no. 115.) East Lansing, 1934.

Good Management in the Home, Discussion II.

Winter-time meals, 1934 style. Let us help you plan them. (Mich. State Col. Ext. [unnumbered] East Lansing, 1934.

Minnesota

Use of the level on the farm. H. B. Roe. (Minn. Univ. Agr. Ext., Agr. Engin. News Letter no. 34.) University Farm, St. Paul, 1935.

Farm experiences with rubber tired tractors. J. B. Torrance. (Minn. Univ. Agr. Ext., Agr. Engin. News Letter no. 35.) University Farm, St. Paul, 1935.

Missouri

Terracing to prevent erosion. G. E. Martin. (Mo. Agr. Col. Ext. Circ. 317.) Columbia, 1935.

Cutting, curing and canning pork and beef. T. A. Ewing and F. Carl. (Mo. Agr. Col. Ext. Circ. 318.) Columbia, 1935.

The agricultural extension service, Missouri college of Agriculture, annual report for 1934. R. R. Thomasson. (Mo. Agr. Col. Ext. Circ. 319.) Columbia, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1935
(Continued)

New Jersey

- 1935, spraying recommendations for apples. T. J. Headlee and others.
(N. J. Agr. Col. Ext. Bul. 161.) New Brunswick, 1935.
1935 spray schedule for pears. T. J. Headlee and others. (N. J. Agr.
Col. Ext. Bul. 162.) New Brunswick, 1935.
1935 spray schedule for grapes. T. J. Headlee and others. (N. J. Agr.
Col. Ext. Bul. 163.) New Brunswick, 1935.

New York

- List of publications for general distribution... (N. Y. Agr. Col. (Cornell)
Ext. Bul. 47, rev.) Ithaca, 1935.
Protecting orchard crops from diseases and insects in western New York.
C. R. Crosby and others. (N. Y. Agr. Col. (Cornell) Ext. Bul. 313.)
Ithaca, 1935.
4-H pig club handbook. H. A. Willman. (N. Y. Agr. Col. (Cornell) Jr.
Ext. Bul. 48.) Ithaca, 1935.

North Carolina

- Irish potato manual for 4-H club members. H. R. Niswonger. (N. C. Agr.
Col. Ext. Circ. 204.) State College Station, Raleigh, 1934.
Pruning the apple tree. H. R. Niswonger. (N. C. Agr. Col. Ext. Circ.
205. State College Station, Raleigh, 1935.

Ohio

- Poultry housing. R. E. Cray and H. P. Twitchell. (Ohio Agr. Col. Ext.
Bul. 94 [rev.]) Columbus, 1934.
Home canning for better family meals. M. E. Gerlaugh and A. L. Garvin.
(Ohio Agr. Col. Ext. Bul. 104 [rev.]) Columbus, 1934.

Oregon

- Oregon apple and pear spray recommendations for 1935. Prepared by representa-
tives of the Oregon Agricultural experiment station and issued by the
Extension service. (Oreg. Agr. Col. Ext. Bul. 474.) Corvallis, 1935.
Oregon spray recommendations for pests and diseases of stone fruits. Prepared
by representatives of the Oregon Agricultural experiment station and issued
by the Extension service. (Oreg. Agr. Col. Ext. Bul. 475.) Corvallis, 1935.

South Carolina

- Agricultural outlook for South Carolina, 1935. O. M. Clark. (Clemson Agr.
Col., S. C. Ext. Circ. 139.) Clemson College, 1935.
The cotton contest, 1934, for better yield and staple value. R. W. Hamilton.
(Clemson Agr. Col., S. C. Ext. Circ. 140.) Clemson College, 1935.

South Dakota

- Puddings for economical meals. S. Z. Wilder. (S. Dak. State Col. Ext. Circ.
348.) Brookings, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1935
(Continued)

Texas

- Score card for corn. (Tex. Agr. Col. Ext. [Circ.] C-46 [rev.]) College Station, 1934.
- Score card for grain sorghums. (Tex. Agr. Col. Ext. [Circ.] C-47 [rev.]) College Station, 1934.
- Suggested method of procedure for home demonstration clubs. M. W. Barry. (Tex. Agr. Col. Ext. [Circ.] C-54 [rev.]) College Station, 1934.
- A working manual for county home demonstration councils. M. W. Barry. (Tex. Agr. Col. Ext. [Circ.] C-78 [rev.]) College Station, 1934.
- Subirrigation for gardens. M. R. Bentley and J. F. Rosborough. (Tex. Agr. Col. Ext. [Circ.] C-97 [rev.]) College Station, 1934.

Utah

- The milky way. E. Miller. (Utah Agr. Col. Ext. Circ. 33 [rev.]) Logan, 1934.

Washington

- Recommendations for codling moth control in Washington for 1935. Prepared by representatives of the Experiment station and the Extension service and others. (Wash. State Col. Ext. Bul. 201.) Pullman, 1935.
- Alfalfa hay an economical feed for dairy cows. J. C. Knott and C. C. Hampson. (Wash. State Col. Ext. Circ. 23.) Pullman, 1935.
- Washington 4-H club subject matter material. (Wash. State Col. Ext. 4-H Circ. 32.) Pullman, 1934.

West Virginia

- The food we buy. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. III, Lesson no. 4, Adventures in Better Living.) Morgantown [1935]
- Around the clock with the family. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. III, Lesson no. 5. Adventures in Better Living.)

Wyoming

- Wyoming agricultural situation for 1935. A. W. Willis. (Wyo. Agr. Col. Ext. Circ. 57.) Laramie, 1935.
- Fruit raising in Wyoming. W. O. Edmondson. (Wyo. Agr. Col. Ext. Circ. 58.) Laramie, 1935.
- Simple hospitality. E. Jennings. (Wyo. Agr. Col. Ext. Circ. 59.) Laramie, 1935.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during March 1935, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Farm practice and agricultural adjustment. A radio talk by Henry A. Wallace in the Department of agriculture period, National farm and home hour, March 8, 1935. 7 p.

Identities of interest in restoring foreign trade. Address of Henry A. Wallace in the series of radio broadcasts on World trade and recovery, Washington, D.C., March 30, 1935. 12 p.

The need for unifying purpose. Address by Henry A. Wallace at the annual meeting of the Foreign policy association, New York City, March 16, 1935. 21 p.

The problem of farm tenancy. Statement by Secretary Henry A. Wallace at hearings on the Bankhead tenancy bill, S. 1800, March 5, 1935. 11 p.

What is a desirable tax system? Discussion Group Topic No. 9.

Agricultural Adjustment Administration

Alfalfa hay and alfalfa meal in weevil infested areas; their relation to feeding needs in the drought area. 1935. 3 p.

America must choose her course in foreign trade. 21 p. Discussion group material issued by the Regional contact session.

Chemical composition and feeding value of Argentine corn. 1935. 2 p. (FF7-M7)

Cotton in the nation's cropping program. An address by Cully A. Cobb before the Southern agricultural workers' association in annual convention at Atlanta, Georgia, January 31, 1935. 12 p. (Issued by Commodities division, Cotton production section)

The cotton program under the Agricultural adjustment act and the cotton act of 1934. Address by E. D. White before the Institute of public affairs, Southern Methodist university, Dallas, Texas, February 1, 1935. 10 p. (Issued by Cotton production section)

Facts on demand conditions and the need for continued agricultural adjustment. 1935. 17 p. Material used in address of L. H. Bean before West Detroit business executives' forum, March 1, 1935.

The flue-cured tobacco adjustment program for 1935. By J. B. Hutson. 1935. 5 p.

*Bibliographies included in general list of bibliographies on page 118.

**For a list of the principal series issued regularly, see v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Agricultural Adjustment Administration

(continued)

- Foreign cotton production. By Lawrence Myer. 1935. 13 p. Presented at the annual convention of Southern agricultural workers, Atlanta, Georgia, January 31, 1935. (Issued by Commodities division, Cotton processing and marketing section)
- Is American agriculture in crisis? 1935. 21 p. Discussion group material issued by the Regional contact section.
- The Mouse river area water utilization plan for the Mouse river in North Dakota. Prepared by Francis R. Kenney. 1935. 24 p. (Issued by Division of program planning, Land policy section)
- The present feed situation. 1935. 5 p. (FF7-M4)
- The processing tax. 1935. 16. p. Discussion group material prepared by Regional contact section.
- Report, meetings of representatives of cattle industry, Washington, D. C., Feb. 27-28, 1935; March 5-6, 1935. 65 p.
- Security for agriculture. 1935. 10 p. Discussion group material issued by Regional contact section.
- Security for the farm home. 1935. 10 p. Discussion group material issued by Regional contact section.
- Some facts about agricultural exports. Statement by Chester C. Davis before the Senate committee on agriculture and forestry, February 4, 1935. 16 p.
- Statement made on Tuesday, February 26, 1935, by Chester C. Davis before the House committee on agriculture, concerning H.R. 5585 and S. 1807, amending the act. 1935. 13 p.

Bureau of Agricultural Economics

- Average monthly price and price relatives for fresh eggs at wholesale at five markets, 1909-1934. By Gordon W. Sprague. 1935. 14. p. (Issued by Division of dairy and poultry products)
- Brief summary, marketing western New York and Pennsylvania grapes. Season of 1934. Feb. 19, 1935. 6 p. (Issued in cooperation with New York State Department of agriculture and markets)
- Car-lot shipments of fruits and vegetables by commodities, states and months (including boat shipments reduced to car-lot equivalents) calendar year 1934. Preliminary, subject to revision. 1935. 24 p.
- Dairy and poultry market statistics 1934 annual summary. Feb. 1935. 37 p.
- Development of a grading and inspection system for the purchase of sweet corn for canning. Feb. 21, 1935. 9 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued)

Tax delinquency of rural real estate in Kent and New Castle counties, Del., 1928-1933. 1935. 6 p.

Tax delinquency of rural real estate in 9 Oregon counties, 1928-33.
March 6, 1935. 13 p.

Tentative U. S. grades for churning cream. Feb. 15, 1935. 3 p.

Why not a single set of standards for beef grades? By B. F. McCarthy.
Jan. 7, 1935. 4 p.

Bureau of Agricultural Engineering

Drainage and irrigation publications of the Bureau of agricultural engineering.
1935. 4 p.

Memorandum for E.C.W. camps in Nebraska relative to terraces and other erosion control structures. Prepared by C. A. Frye in collaboration with I. D. Wood, Under the direction of Lewis A. Jones. 1935. 14 p.

Bureau of Biological Survey

The present situation regarding eelgrass (*Zostera marina*). By Clarence Cottam.
Leaflet BS-3. 7 p. Feb. 1935.

Available publications of the Bureau of Biological Survey. Compiled in the Division of public relations. Leaflet BS-4. 6 p. March 1935.

Bureau of Chemistry and Soils

Instructions for field work in peat and muck resources. By A. P. Dachnowski-Stokes. 1935. 7 p. (Issued by Soil survey division)

Bureau of Dairy Industry

Compressing hardened ice cream affords a ready means for making a product of uniform density. By O. E. Williams. 1935. 2 p. (BDIM-655)

Rules for students' national contest in judging dairy products, 1935. 9 p.

Bureau of Entomology and Plant Quarantine

An apparatus for the uniform release of volatile chemicals for use in chemotropic studies with insects. By G. L. Smith, 1935. 2 p. (ET-37)
(Issued by Division of cotton insect investigations)

Tall chinch bug survey trials in standing corn. By C. M. Packard and C. Benton. 1935 8 p. (E-337) (Issued by Division of cereal and forage insect investigations)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics
(continued)

- Farm real estate taxes in 35 states, 1913-1933. 1935. 4 p. (Issued by Division of agricultural finance)
- Livestock, meats, and wool market statistics and related data, 1933. 1935. 124 p. (Compiled in Livestock, meats and wool division by the Statistical and research sections)
- The margin between farm prices and retail prices of ten foods. By Frederick V. Waugh. 1935. 9 p. (Issued by Division of marketing reasearch)
- Marketing California asparagus 1934. By W. F. Cox and W. L. Jackson. 30 p. (Issued in cooperation with California Department of agriculture, Bureau of market news)
- Marketing Michigan grapes 1934 season. 4p. Feb. 6, 1934. (Issued in cooperation with Michigan Department of agriculture, Bureau of foods and standards)
- Marketing Michigan peaches 1934 season. 2p. Feb. 18, 1935. (Issued in cooperation with Michigan Department of agriculture, Bureau of foods and standards)
- Meat cutting and pricing methods. By Arthur T. Edinger. 1935. 40 p. (Issued by Livestock, meats and wool division)
- Monthly receipts from the sale of principal farm products, by states, with rental and benefit payments, January 1932 to December 1934. Prepared by C. M. Purves and Nathan Koffsky for the Committee on monthly farm income. 1935. 63 p.
- The Oregon butter code and improved quality. By R. S. Smith and J. D. Mickle. 1935. 11 p.
- Population and occupational shifts. By O. E. Baker. 1934. 19p. (Issued by Division of land economics)
- Population trends and the national welfare. Facts and observations as to rural-urban migration and a declining birth-rate. By O. E. Baker and T. B. Manny. 1935. 28 p. (Issued by Division of land economics and Division of farm population and rural life)
- Receipts from the sale of principal farm products by states, including rental and benefit payments, January 1932-1935. 3 p. (Issued by Divisions of statistical and historical research, and crop and livestock estimates)
- Revised estimates of barley acreage, yield and production, 1866-1929. 1935. 47 p.
- State agricultural departments and marketing agencies with names of officials. 1935. 6 p. (Compiled in the Division of economic information)
- Statistics relating to the citrus industry 1934. 1935. 56 p.

SELECTED LIST OF MEMEOGRAPHED PUBLICATIONS

Bureau of Entomology and Plant Quarantine (continued)

A revolving screen trap for collecting insects. By G. L. Smith, J. C. Clark, and A. L. Scales. 1935. 2 p. (Et-36) (Issued by Division of cotton insect investigations)

Suggestions for the control of the pea weevil in Oregon. By A. O. Larson and Frank G. Hinman, 1935. 5 p. (E-339) (Issued by Division of truck crop and garden insect investigations)

Extension Service

Teaching of child development through 4-H club work. By Esther Mildred Friesth. 1935. 60 p. (Extension service circular 209)

Forest Service

Complete list of Forest Service publications. 77 p. Rev., Feb. 1, 1935.

Grain Futures Administration

Annual volume of trading in Chicago wheat futures in relation to supplies of wheat, by crop years, 1922-23 to 1933-34. By Paul Mehl. 1935. 8 p.

Bureau of Home Economics

Buying bedspreads. By Bess M. Viemont. 1935. 6 p.

What the consumer has a right to expect in the serviceability of dress fabrics. By Ruth O'Brien. 1935. 7 p. Read at the annual convention of the National retail dry goods association, Jan. 18, 1935.

Bureau of Plant Industry

Comparison of winter-wheat varieties grown in cooperation plot and nursery experiments in the hard red winter-wheat region in 1934. 1935. By K. S. Quisenberry. 1935. 56 p. (Issued by Division of cereal crops and diseases)

Cooperative uniform comparison of Krug top crosses, 1934. By Merle T. Jenkins. 1935. 10 p. (Issued by Division of cereal crops and diseases)

Results from cooperative wheat varietal experiments in the western region in 1934 with averages for 1931 to 1934. Compiled by B. B. Bayles. 1935. 83 p. (Issued by Division of cereal crops and diseases)

Results of spring-wheat varieties grown in cooperative plot and nursery experiments in the spring-wheat region in 1934. By J. Allen Clark. 1935. 23 p. (Issued by Division of cereal crops and diseases)

Willow diseases in relation to tree planting. By H. F. Winter. 1935. 6 p. (Issued by Division of forest pathology)

SELECTED LIST OF MEMEOGRAPHED PUBLICATIONS
(continued)

Office of the Solicitor

A resume of executive orders and proclamations pertaining to Title I and II of N.R.A. January 1, 1933-January 1, 1935. 1935. 19 p. (Issued by Agricultural Adjustment Administration division, Legal, economic and legislative information section)

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OFFERS

The Library of the U. S. Department of Agriculture has for exchange copies of the following works:

- Conference of empire meteorologists. Agriculture. Section. 1929.
I. Report; II. Papers and discussions.
- Congrès international d'agriculture tropicale. 5th, 1930. Anvers, Belgium. [Compte-rendu]
- Congrès international de laiterie. 9th, 1931. Copenhagen.
Compte-rendu.
- Congrès international d'oléiculture. 9th, 1928. Tunis, Sousse sfax (Tunisie). [Tome I: Partie générale; Tome II: Travaux du congrès]
- Congrès international des plantes médicinales et des plantes à essences. 4th, 1931. Paris. (Compte-rendu)
- International tobanical congress. 5th, 1930. Cambridge, England. Abstracts of communications.
- International congress of genetics. 6th, 1932. Ithaca, New York.
Proceedings: v. 2. Condensed articles and descriptions of exhibits.
- International congress of soil science. 1st, 1927. Washington, D. C.
Abstracts of the proceedings; Proceedings and papers...Transcontinental excursion and impressions of the congress and of America.
- International cotton congress. 1927. Egypt. Official report.
- International meteorological committee. Commission for the study of clouds. International atlas of the clouds and of the states of the sky. Abridged edition for the use of observers. Paris, 1932.
- Patil, Rao Bahadur P. C. Principles and practice of farm costing with farm studies. Department of Agriculture, Bombay. 1933.
- World's poultry congress. 4th, 1930. London. Report of proceedings.

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LOST BOOKS

The following books cannot be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main Library:

- Biochemisches journal. v. 23, pp. 1-586. 1929.
- London, Edinburgh and Dublin Philosophical magazine.
v. 31, Jan.-June 1916.
- Russell. Soil conditions and plant growth. 1932. ed. 6.
Copy 3 and copy 5.

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THE LIBRARY OF THE MUSEUM OF NATURAL HISTORY, PARIS, FRANCE
ORIGIN AND DEVELOPMENT*

By L. Bultingaire
Librarian

The library of the National Museum of History, whose existence is quite unknown to the general public, occupies the end of a large gallery skirting the Rue de Buffon, close to the Rue Geoffroy-Saint-Hilaire. Its entrance, an inconspicuous glass door, is hidden beneath a peristyle labeled "mineralogy". There is nothing to indicate that beyond the threshold lies one of the greatest libraries of Paris, considered the oldest and richest of special libraries.

Specialization, from the first, has distinguished this library from the numerous libraries, both old and new, which attempt to embrace all of human knowledge. Founded June 10, 1793, by one of the articles of the decree of the national convention establishing the museum of natural history on the site of the former Jardin du Roy, the intention from the first was that it should be devoted to the natural sciences and should collect only works relating to these sciences.

The duplicates of books in the Bibliothèque Nationale and books collected from suppressed ecclesiastical institutions were transferred to the new library. It also received the books seized from political exiles and prisoners, these additions being so numerous that the museum library was almost swamped from its very beginning. Later on, parts of libraries and even complete libraries of learned men were added to its already considerable collection. Among these, three have been of fundamental importance. They are: the library of Charles Lucien Bonaparte, a nephew of the emperor and an ornithologist of note, whose books and manuscripts dealt not only with natural science but also with science in general and with the history and politics of his time; the library of Chevreul, especially rich, as was to be expected, in works on chemistry and alchemy; finally, the library of Dr. Mandl, composed mainly of works on anatomy and physiology. Besides these, there are numerous books bearing the book-plates or names of famous naturalists, left by them to the library in their wills, or secured from their relatives by gift or by purchase. Thus there are found such well-known names as Jussieu, Dumeril, Geoffroy Saint Hilaire, Henri Milne Edwards, and, above all, Georges Cuvier, the greater part of whose library went to the museum.

The collection of manuscripts, drawings, and water-colors became established in a similar way, bequests and gifts often adding new material of this kind, whereas the printed matter thus acquired frequently duplicated works already in the library. Such liberality may be a burden and injure the scientific organization of the library's work for, unable to keep up with the cataloguing, the desiderata are unknown.

Moreover, for a long time libraries considered it a duty to keep on the shelves all books presented, even when, being duplicates, they were useless. The greatest handicap of many large libraries is the absence or reduction of funds for new acquisitions, and gradually it is being admitted that, lacking formal stipulations for the disposal of duplicates, the best recognition to be shown to a donor is to use such works for exchange and thus enlarge the actual resources for students. Such exchanges are being made and have resulted in the reduction of the stock of useless books and have aided the acquisition of more desired works.

*From Revue scientifique, 67e année, Aug. 24, 1929, pp. 484-489. Translated from the French by William E. Jordan, U. S. Department of Agriculture Library.

THE LIBRARY OF THE MUSEUM OF NATURAL HISTORY, PARIS, FRANCE
(continued)

We were among the originators of the system of exchanging the publications of the museum for those of other scientific institutions and societies, thus enriching our collection. In the year 1802 the professors of the museum decided to publish the results of their investigations in a large periodical, the *Annales du Muséum*, and to send this to their scientific correspondents in the Old and New World. In exchange for this publication, which is now called *Archives du Muséum*, and its companion publication begun in 1895, the *Bulletin du Muséum*, we have received the publications of all the great academies, scientific societies, and those of such establishments and organizations whose activities touch more or less upon the natural sciences.

The library, growing thus for more than 125 years, represents a unique collection in Paris, and we are able to say that this system of exchange has helped our institution to pass through the critical period of the reduced value of the franc without ceasing to supply its naturalists with new material.

The museum library has almost always had a budget for purchases. However, this budget has varied greatly, depending on the fluctuations in the general prosperity of the country and the degree of interest which the government has shown in the museum. We shall return to this question but here we may assert that the library of the museum would never have attained the development it has if it had been obliged to content itself with the usual resources placed at its disposal by its budget.

To give an exact idea of the contents of the library, it is not sufficient merely to enumerate its 350,000 volumes, its thousands of maps and drawings, but it is necessary also to consider them from three points of view, namely, as a repository for works on natural history, as a library of art, and third, as a research center for the use of naturalists.

The Library's collection. The library owns most of the books dealing with natural science produced since the beginnings of printing, the term "natural science" being used in its more inclusive meaning as it was at the time the institution was founded, to cover physics, chemistry, agriculture, stock-raising, and, to a certain extent, medicine. These various branches of knowledge have since then so developed that numerous special institutions have sprung up but the library preserves the early records of the time when these studies were the province of the museum staff.

The first place belongs to the scholars who investigated the three natural kingdoms, and it is here that we find numerous editions of Aristotle, Pliny, Gesner, Aldrovrandi, Bauhin, and Clusius, not forgetting to mention Belon and Rondelet, who were the first to write about natural science in the simple French of the sixteenth century. Although these works are not consulted very much at present, they remain as impartial witnesses of the continued progress of natural science, and they are always of value to those interested in the evolution of science. It is interesting to recall that such scholars as Cuvier and Chevreul secured their first interest in science through reading these old authors.

The valuable collections of early voyages have not lost their interest as is evidenced by their frequent reprinting. In the library are a great many of the works of the earliest navigators recording their experiences and impressions on their voyages of discovery. Ethnologists are aware that these works offer an almost unexcelled source of material concerning the human race; botanists and zoologists refer to them to establish the modifications in flora and fauna of remote regions since the arrival of the Europeans.

THE LIBRARY OF THE MUSEUM OF NATURAL HISTORY, PARIS, FRANCE
(continued)

More interesting still, from the documentary point of view, are the manuscripts. Most of these have been classified and notes concerning them have appeared in a volume of the Catalogue of manuscripts in public libraries in France. They contain, in addition to the studies of naturalists, information of the greatest importance on the history of colonization. The Americans especially have spared no effort to procure copies of these texts, knowing that they contain records of their own countries.

But it is not indispensable that these books and documents should have an immediate usefulness in order to be appropriately assigned a place in the library of the Museum. It is also to show our gratitude to those who have made the first progress in the natural sciences that we conserve with honor their works and mementoes in the place where their successors continue their efforts. It is also to be hoped that plans for regrouping them, now actually in progress, will result in the concentration in the library of the Museum of a great number of documents which, because they are scattered, have lost part of their value. It is with this in mind that we have obtained, by exchange with the municipal library of Versailles, the manuscript of the naturalist Savigny, one of the scientists taken by Bonaparte to Egypt, and also the original water-colors used to illustrate the well known scientific publications of that expedition.

The Art Library. It may seem surprising that as scientific an institution as the Museum should possess an art collection but we must consider that the majority of objects studied by naturalists are identical with those which artists seek to delineate. It may be that the early naturalists were contented with representing the results of their observations schematically. When accurate representations were wanted, they could not resist adding a little of the natural grace and splendor which nature gives to all it has created. As there are some who study flowers in order to classify them in herbaria, there are others who arrange them in bouquets and try to preserve their image before they wither.

When the Jardin du Roy was opened to the public, painters came to the greenhouses for plant models. It was not long before the garden had its official artists who painted the flowers, especially the rarest and most beautiful, as soon as they were in full bloom. As an accurate reproduction showing the smallest details was demanded by the naturalists, only competent artists were employed who made each picture a true work of art.

These water colors which were at first of flowers and birds but later on of all the principal productions of nature, constitute the magnificent collection of paintings on vellum carried on uninterruptedly to the last years of the nineteenth century.

In addition to the 6,000 items in this collection, the library possesses other thousands of water colors and drawings, hundreds of pencil drawings such as those used in engraving the "Recueil des plantes" of the "Chalcographie du Louvre", wrongly confused with the pictures on vellum under the impression that some of these were used as models; there are the original water colors used for illustrating some of the records of voyages, and numerous albums of flowers and birds by French or foreign artists. In respect to the art of graphic duplication, there are many etchings and engravings, in black or with colors, wood cuts, litho-graphs, photo-engravings, and others by the modern processes. These are either gathered together in portfolios or in albums, or distributed in the scientific works for which they were intended. As representative in the art collection may be mentioned Audubon's "Birds of America",

THE LIBRARY OF THE MUSEUM OF NATURAL HISTORY, PARIS, FRANCE
(continued)

quite the largest when we consider its dimensions of 98 cm. by 63 cm., picturing the birds natural size. Among the other works the library has the animal pictures painted by Levaillant, Hemminck, Lesson and Gould, and the famous albums of flowers illustrated by Redoute.

The Library as a Place of Research for the Naturalists. However interesting our collections of old books and art-works may be, it is readily understood that the museum library must primarily be a living part of a modern institution, and that it must assist in performing the museum's role in the country's scientific life. In order to understand this function of the library, we must emphasize that the work of the museum's naturalists has other purposes besides interesting the people who know this institution only through their visits to the botanical garden and the zoological park, and who pass through its magnificent galleries without really comprehending the exhibits.

In reality the primary occupation of the museum's experts, and the reason for the establishment of its extensive galleries, which, in the course of time, have become too small for its exhibits, is the describing, distinguishing, and classifying of the minerals, plants, and animals, including man and those organisms that have become extinct, naming and arranging newly discovered species, and selecting and preparing specimens for public exhibits. But these savants would not merit the name if they did not seek to discover the laws governing living and inert matter. They would also neglect their duty if they failed to make their work useful to the progress of humanity.

Thus they concern themselves on the one hand with problems of pure science such as those of the origin of life, the unity of species, the populating of continents, evolution, heredity, adaptation, vulcanism, earthquakes and the nature of meteors. On the other hand, they deal with such practical problems as the improvement of agriculture, proper application of fertilizers, increasing food resources through the study of the stocking of seas and rivers, the utilization by industry of colonial products, and the study of ways of exploiting mineral resources.

We see, from these examples, what an abundance of research material a library like that of the museum must keep for the use of its naturalists in aiding them to accomplish their work. Any plant, mineral, or animal represents discoveries in all quarters of the world and studies made by all the naturalists who have examined them. There is no region so desolate that the study of its geology is of no interest, nor any stretch of water which may not offer a field for useful biological investigations. In addition to the treatises which present this acquired knowledge, and the journals of scientific expeditions, the periodical literature must also be preserved. This constitutes thousands of volumes, often of imposing size, giving information about the work of private and official institutions engaged in investigations of the earth and sea, about the work of museums, laboratories, scientific societies, and individuals who devote themselves to the study of nature.

But we hasten to add that this material is so numerous that the principal function of a library of natural history is to furnish its readers with means to find information about the subjects that especially interest them without too great waste of time. The literature of a single subject, zoology, for instance, contains every year more than 10,000 articles of note, distributed in about 1,200

THE LIBRARY OF THE MUSEUM OF NATURAL HISTORY, PARIS, FRANCE
(continued)

periodicals printed in the principal languages of the world. The total number of volumes added by a library embracing all the natural sciences is thus seen to mount to a fantastic figure. It is only through excellent bibliographical facilities that this material is made available.

A library like that of the museum aids its readers by means of alphabetic author and subject catalogs which list only such publications as theses, brochures, separates, etc., constituting separate items. In addition the library collects such bibliographies and indexes as may be of help in searching the periodical literature. Among these bibliographic compilations are kept the "Catalogue of scientific papers" and the works of Pritzel which list what has been published on specific subjects during earlier periods. There are also such current bibliographies as "Zoological Record" and "Bibliographie géologique". It acquires the recent bibliographies on special phases of natural history knowing that a bibliography of even one page may frequently save the perusal of hundreds of volumes.

Its efforts in this field are unfortunately handicapped by indufficient international bibliographic organization and the misfortunes attending the enterprises which have tried to remedy this condition. The "International catalogue of scientific literature", which abstracted all the periodicals of the world, has ceased to exist. The "Concilium bibliographicum", which furnished the same information by means of printed cards, has reduced its work to certain special lines. The national bibliographies which are continued are certainly not worthless but offer only an incomplete documentation, uncertain and scattered. In enumerating these inadequacies and difficulties, we show the efforts which a library of natural history must put forth in order to make available a reasonable part of the literature which exists.

The Libraries of the Laboratories. We have not mentioned all the resources of the library if we fail to mention that the so-called "central library" is complemented by as many special libraries as the museum has professorial chairs and laboratories. These libraries, established largely through the generosity of former professors or devoted amateurs, are rich in works and papers dealing with special problems of the laboratory's province, some, for instance, having all works on Arachnida, on mushrooms, or on ferns. The union of the catalogs of these secondary libraries with that of the central library is about to be realized (1929) thanks to a subvention which M. Alfred Lacroix has obtained from the Academy of Sciences in order to carry out this project. A preliminary study has shown that from 50 to 75 percent of the works possessed by the laboratories are not duplicated in the collection of the central library. The initiation of similar projects can not be stressed too much nor can we recommend too much that the example given by the professors of the museum be followed by their colleagues in other institutions. It is fitting that the laboratory collection be reserved for its workers, as the books, like instruments, are part of the laboratory, and that the professors, who very often have personally started and developed the collection, be the only ones permitted to withdraw books. However, in the name of scientific solidarity and investigation, no scientific work should be withheld which is unobtainable at the public libraries. The director of the laboratory should be the sole judge of the conditions under which the work might be borrowed.

THE LIBRARY OF THE MUSEUM OF NATURAL HISTORY, PARIS, FRANCE
(continued)

The Lacunae. The museum library occupies a prominent place among French libraries since it has, as we have shown, an extremely rich collection of early books on natural history, a collection of original documents of great interest, rivaling art repositories in its quality and quantity, and is increasing steadily by exchanges with scientific institutions over the whole world. We might also state that its future seems secured, not only on account of the important place which special libraries hold at present, but also because the natural sciences represent so well delimited a field that for a long time yet it will be desirable to keep together works dealing with these sciences.

Let us now see what is needed in order to fulfill completely its purpose, and prevent its being excelled by other similar institutions. Like all other French libraries it lacks sufficient funds. Its budget, lower than before the war, hardly allows it to make more than a partial selection of all the books which it desires to obtain. In addition to the publications acquired through exchange there are numerous others of importance which may be obtained only by purchase at almost prohibitive prices considering the reduced value of the franc. Unlike its status at the beginning of the century, our library is not now one in which every good work dealing with natural history can be found. This poverty is reflected in the care accorded the books and in the physical equipment. For instance, we have had to delay the installation of improved book-stacks, and the application of methods that are so useful in keeping the collections in order and getting the books rapidly to the readers.

This lack of facilities has its repercussion in the organization of the bibliographic work of the library, in that the results are mediocre, just as they are in nearly all French libraries. Would it not be of prime value to the naturalists of the museum and to the study of natural sciences in France if all the publications received were regularly, conscientiously and rapidly abstracted carefully listing the titles of all articles in a classified arrangement, and presenting these in such manner that anyone could readily keep track of works from different sources relating to his personal studies?

The library staff is so occupied with library duties that it cannot undertake this task; neither can it be entrusted to untrained copyists who would list works alphabetically without grasping their meaning. It requires a staff of assistants trained in various fields so that the specialized knowledge of one complements that of the others. Let us remember that the works most interesting to the specialists are those which extend the limits of knowledge, and that each branch of knowledge has a terminology of its own, so that the comprehension of European scientific thought requires a familiarity with a score of languages.

It will be evident that we are dreaming of a bibliographic organization somewhat similar to that of America, where libraries, hardly as well provided with books as are our provincial libraries, employ as many as twenty workers with various titles to make the material of books and reviews available. Some may say that by waiting a few months or years the majority of these abstracts will perhaps be found in printed bibliographies. But the real question to be decided is whether we should leave indefinitely to the richer or simply better organized nations the privilege of making known to their investigators material which is published currently throughout the world and whether we should indefinitely content ourselves with a second rate documentation.

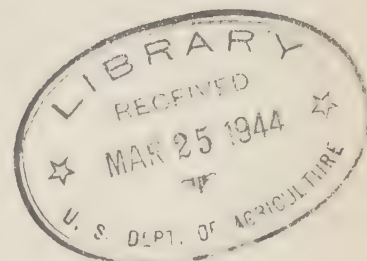
THE LIBRARY OF THE MUSEUM OF NATURAL HISTORY, PARIS, FRANCE
(continued)

It is unthinkable that libraries of teaching institutions should resign themselves to this situation under the pretext that the role of the teachers is merely the diffusion of results of research already attained; that indeed is an attitude which is permissible only if a person in so doing were sure of never teaching the error of yesterday in place of the truth of today. The organization for which we ask would in all cases and for every reason be placed in a library attached to research laboratories, such as those which, taken together, constitute the Museum of Natural History, and in all establishments which aim to contribute by their own efforts to the progress of science.

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PRINCIPAL LIBRARY ACCESSIONS

Agriculture

STRANGE, H. G. L. The western Canada semi-arid area - its history and probable future. [n.p.] Wallingford press, 1935.

Agriculture: Education

DIPPOLD, G. J. A basis for a proposed course of study in agricultural economics and farm management for departments of vocational agriculture in Missouri. Jefferson City, 1934. (Missouri. State board for vocational education. Bulletin no. 25)

JAMES, G. E., ed. Methods of teaching and organizing farm shop work in vocational agriculture departments in Missouri. Jefferson City, 1934. (Missouri. State board for vocational education. Bulletin no. 24)

Botany

CEBALLOS, LUIS. Estudio sobre la vegetación y la flora forestal de la provincia de Málaga. Madrid, Instituto forestal de investigaciones y experiencias, La Moncloa, 1933.

CRANE, M. B., and LAWRENCE, W. J. C. The genetics of garden plants. London, Macmillan, 1934.

FREY-WYSSLING, ALBERT. Die stoffausscheidung der höheren pflanzen. Berlin, Springer, 1935. (Monographien aus dem gesamtgebiet der physiologie der pflanzen und der tiere. 32.bd.)

IMPERIAL MYCOLOGICAL CONFERENCE. 3d, London, 1934. Report. Kew, Imperial mycological institute, 1934.

MAIRE, RENÉ. Études sur la flore et la végétation du Sahara central. Alger, 1933. (Mémoires de la Société d'histoire naturelle de l'Afrique du nord, no. 3, Mission du Hoggar. 2)

Cereals, Forage crops

MIEGE, ÉMILE. Les plantes fourragères au Maroc. Casablanca, Imprimeries réunies, 1934. Reprinted from La Terre marocaine, v.3-4.

----- Contribution à l'étude de la valeur boulangère des blés. Rabat, 1933. 1933.

WIEGNER, GEORG. Heubereitung und silage. Vortrag gehalten am III. Grünlandkongress der nord-und mitteleuropäischen länder, Zürich. Bern, Benteli, 1934.

City and town planning

LYNCHBURG, VA. CITY PLANNING COMMISSION. Lynchburg city plan. Lynchburg, 1934.

OSBORN, F. J. Transport town development and territorial planning of industry. London, New Fabian research bureau, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Civilian conservation corps

HOYT, RAY. "We can take it"; a short story of the C.C.C. New York, American book co., 1935.

Dictionaries

PATTERSON, A. McD. A German-English dictionary for chemists. Ed. 2. New York, 1935.

Economics. Statistics

- AMERICAN COUNTRY LIFE ASSOCIATION. STUDENT SECTION. What kind of rural life do young people want? A plan of study for the use of students. By Agnes Foynton and E. L. Kirkpatrick. Madison, Wis., 1935. Mimeographed.
- BRINKMANN, THEODOR. Economics of the farm business. English edition, with introduction and notes by E. T. Benedict, H. H. Stippler and M. R. Benedict. Berkeley, University of California press, 1935. (Social science research council. Advisory committee on social and economic research in agriculture. Translation series, no. 2)
- CALIFORNIA. AGRICULTURAL EXPERIMENT STATION, BERKELEY. Statistics pertaining to the almond industry (Data compiled by H. J. Stover for use at an almond hearing of the Agricultural Adjustment Administration at Berkeley) Berkeley, 1935. Mimeographed.
- CANADA. SPECIAL COMMITTEE ON TOURIST TRAFFIC. Report and proceedings. Ottawa, 1934.
- COLUMBIA UNIVERSITY. Contemporary problems in the United States, by Horace Taylor, with the collaboration of Columbia college associates. 1934/35. v.1. New York, 1934. Photolithographed.
- ENNIS, W. D. Motor vehicle taxation in New Jersey. Report by W. D. Ennis with the co-operation of Arthur Richards, S. A. Stephenson and others. Hoboken, N. J., 1935.
- GREENWOOD, ERNEST. Who pays? Garden City, N. Y., Doubleday, Doran, 1934.
- INTERNATIONAL WOOL CONFERENCE. 9th, Budapest, 1933. Compte rendu et documents officiels. Budapest, Société anonyme athenaeum, 1934.
- KOCH, ERICH. Aufbau im Osten. Breslau, Korn, 1934.
- LOEB, HAROLD. The chart of plenty; a study of America's product capacity based on the findings of the National survey of potential product capacity. New York, Viking press, 1935.
- MASSACHUSETTS. DEPT. OF AGRICULTURE. DIVISION OF MARKETS. Monthly retail prices on certain food products, comp. from Boston retail price reports, 1928-1934. Boston [1935?] Mimeographed.
- MINNESOTA. STATE PLANNING BOARD. Report. pt. 1. St. Paul, 1934.
- NATIONAL INDUSTRIAL CONFERENCE BOARD. Cost of government, 1923-1934. New York, 1934.
- NEW ENGLAND FARM MARKETING CONFERENCE. Proceedings of the third conference. Boston, 1934. Mimeographed.
- NEW YORK (CITY) COTTON EXCHANGE. SPECIAL COMMITTEE OF SIX. Report on five suggested changes in the New York cotton exchange contract. New York, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Economics. Statistics (Continued)

- OHIO. GOVERNOR'S COMMISSION ON COUNTY GOVERNMENT. The reorganization of county government in Ohio. Columbus [1934?]
- PENNSYLVANIA. JOINT LEGISLATIVE COMMITTEE ON FINANCES. Report on the organization and administration of the government of the Commonwealth of Pennsylvania. Harrisburg, 1934.
- REED, E. F. Federal transient program; an evaluative survey, May to July 1934. New York city, Committee on care of transient and homeless, 1934.
- ROBBINS, L. C. The great depression. New York, Macmillan, 1934.
- SASKATCHEWAN CO-OPERATIVE CONFERENCE, Regina, 1934. Report. (Issued by the Co-operation and markets branch, Department of agriculture.) Regina, 1934. Mimeographed.
- SCOTLAND. AGRICULTURAL MARKETING REORGANIZATION COMMISSION. Report for eggs and poultry for Scotland. Edinburgh, 1935.
- SINDACATO NAZIONALE FASCISTA TECNICI AGRICOLI. I progressi della granicoltura italiana. [Roma?] 1929.
- WARREN, G. F., and PEARSON, F. A. Gold and prices. New York, Wiley, 1935.
- YOUNG & OTTLEY, Inc. A king's denunciation; the story of tobacco, and the formation of the Big Four. New York, 1934.
- ZIMMERMAN, C. C., and FRAMPTON, M. E. Family and society. New York, Van Nostrand, 1935.

Engineering

- ASSOCIATED FACTORY MUTUAL FIRE INSURANCE COMPANIES. Windstorms, wind damage and protection for buildings and cranes. Boston, 1934.
- FRANKLAND, J. M. The analysis of multiple-span rigid frame bridges by Castigliano's theorem. New York, American institute of steel construction, 1934. Mimeographed.
- HOLLAND, R. S. Big bridge. Philadelphia, Macrae Smith, 1934.
- ROYAL-DAWSON, F. G. Elements of curve design for road, railway & racing track on natural transition principles, with special notes on road planning in terms of British and metrical units. London, Spon, 1932.
- SHEDD, T. C. Structural design in steel. New York, Wiley, 1934.
- WEISKOPF, W. H., and PICKWORTH, J. W. Symmetrical rigid frames. New York, American institute of steel construction, 1934. Mimeographed.
- WELDING AND CUTTING YEAR BOOK. 1934/35. Reading, Eng., Berkshire printing co., 1935.
- WILLIAMS, G. B. The flow of water in pipes, sewers and channels; over weirs, and off catchments, London, Chapman & Hall, 1934.

Entomology

- HOWARD, L. O. La menace des insectes, traduit par L. Berland. Paris, Flammarion, 1935.
- SILVARE, FILIPPO. Compendio di entomologica applicata (agraria, forestale, medica, veterinaria) Portici, Bellavista, 1934. parte speciale, v. 1 (fogli 1-28)

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Farm buildings

- DIXON, W. J. Farm building plans. Mitchell, S. D., 1935.
----- Special details for repair work on farm buildings. Mitchell, S.D., 1935.

Forestry

- GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. COMMITTEE ON MECHANICAL TESTING OF TIMBER. Report. London, 1934.
HARLOW, W. M. Twig key to the deciduous woody plants of eastern North America. Ann Arbor, Mich., Edwards brothers, 1934. Litho-printed.
LONGYEAR, B. O. Dendrology text. Fort Collins, Colo., Multigraph service bureau, 1934. Mimeographed.

Horticulture

- AMERICAN HORTICULTURAL SOCIETY. American daffodil year book, 1935. Washington, 1935.
SHEAHAN, H. B. Herbs and the earth. By Henry Beston. Garden City, Doubleday, Doran, 1935.

Malt

- MALT ANALYSIS STANDARDIZATION COMMITTEE. Official methods for analysis of malt. Chicago, 1935.
----- Tables for extract determination in malt. Chicago, 1935.

Mathematics

- FELDMAN, W. M. Biomathematics. Ed. 2. London, Griffin, 1935.

Pathology

- ZINSSER, HANS. Rats, lice and history. Boston, Little, Brown, 1935.

Physics

- GREEN, H. L., and WATSON, H. H. Physical methods for the estimation of the dust hazard in industry. (With special reference to the occupation of the stonemason) London, 1935. (Medical research council, Gt. Brit. Special report series, no. 199)
ROCKWELL, E. H. Vibrations caused by blasting and their effect on structures. Wilmington, Del., Hercules powder company, 1934.
WHITE, H. E. Introduction to atomic spectra. New York, McGraw-Hill, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Poultry diseases

DR. SALISBURY'S SCHOOL OF POULTRY DISEASES, Charles City, Ia. Two-week dealer school lecture notes. Charles City, Ia., 1934. multigraphed.

Research

BRAUER, LUDOLPH, and others. Forschungsinstitute; ihre geschichte, organisation und ziele. Hamburg, Hartung, 1930.

Roads. Transportation

ARGENTINE REPUBLIC. DIRECCIÓN NACIONAL DE VIALIDAD. DEPARTAMENTO DE ESTUDIOS Y PROYECTOS. Cartilla del suelo para uso de los conductores de obras y sobrestantes de caminos. Buenos Aires, 1934.

CALIFORNIA. DEPT OF PUBLIC WORKS. DIVISION OF HIGHWAYS. California highway transportation survey, 1934. Sacramento, 1935.

----- Appendix "A" and "B". Sacramento, 1935.

CHAO, T. K. Roads and road transport in China. Nanking, 1934. Mimeographed.

GARTNER, K. K. Government planning for interstate transportation. Federalburg, Md., J. W. Stowell, 1934.

OWEN, WILFRED. A study in highway economics, being the Harvard Phi beta kappa prize essay for 1934. Cambridge, The Society, 1934.

STINY, JOSEF. Die auswahl und beurteilung der strassenbaugesteine. Wien, Springer, 1935.

Trapping

KIRKMAN, A.B.B. Man versus rabbit. Ed. 2. London, University of London animal welfare society, 1934.

Vitamins

COWGILL, G. R. The vitamin B requirement of man. New Haven, Pub. for the Institute of human relations by Yale university press, 1934.

DENNIER, J. G. Las vitaminas. Buenos Aires, Gadola, 1934.

Theses

AMMANN, ALFONS. Löslichkeit und analytische bestimmung einiger organischer schwermetallsalze. Weida i. Thür., 1934. Promotionsarbeit. Eidg.tech. hochschule, Zürich.

BAUMANN, JAKOB. Untersuchungen über die milchwirtschaftlich wichtigen bakterien in den faeces des rindes. Bern, 1934. Promotionsarbeit. Tech.hochschule, Zürich.

BENRATH, WALTER. Untersuchungen zur pollenstatistik und mikrostratigraphie von tonen und torfen in randgetieten des Kurischen Haffs unter berücksichtigung methodischer fragen. Königsberg i. Pr., 1934. Inaug.-diss. Königsberg.

PRINCIPAL LIBRARY ACCESSIONS

Theses (Continued)

- CARTER, E. W. Mandatory expenditures of local governments in Pennsylvania. Philadelphia, 1934. Diss. (Ph.D.) University of Pennsylvania.
- GANGUIN, A. J. Étude de l'étayage. Lausanne, 1933. Thèse. École polytechnique fédérale, Zürich.
- GUÉNIAT, EDMOND. Contribution à l'étude du développement et de la morphologie de quelques elatérines (coléoptères). Flawil, 1934. Thèse. École polytechnique fédérale, Zürich.
- GUSOVIVS, HANSGUNTHER. Untersuchungen über die ausnutzung der düngerwerte verregneten abwassers auf landwirtschaftlich genutztem boden der provinzialheil-und pflegeanstalten Tapiau und Allenberg (Ostpr.) Königsberg i. Pr., 1933. Inaug.-diss. Königsberg.
- HOLMSTROM, J. E. Railways and roads in pioneer development overseas. London, 1934. Thesis (Ph.D.) University of London.
- KRUCK, G. E. Beitrag zur berechnung statisch unbestimmter, biegungsfester tragwerke. Zürich, 1934. Promotionsarbeit. Eidg. tech.hochschule, Zürich.
- MERCIER, R. Sur le paramagnétisme de l'ion de cobalt en solutions très diluées. Paris, 1934. Thèse. École polytechnique fédérale, Zürich.
- MOHR, ROLF. Über die kuppelungsreaktion der diazoverbindungen. Weida i. Thür., 1934. Promotionsarbeit. Eidg.tech.hochschule, Zürich.
- OKANY-SCHWARZ, JOHANN. Beiträge zur kenntnis der farbstoffkondensation und deren beziehung zum histologischen aufbau der gespinstfasern. Budapest, 1934. Promotionsarbeit. Eidg.tech.hochschule, Zürich.
- PHILIPSON, HANS. Beiträge zur pflanzenanalyse. Königsberg Pr., 1934. Inaug.-diss. Königsberg.
- SCHLIMMLER, L. G. Die entwicklung der kamellien-, azaleen-und erikenkulturen Deutschlands unter besonderer berücksichtigung des sächsischen anbaugebiets. Würzburg-Aumühle, 1934. Diss. Landw.hochschule, Berlin.
- SCHULTZ, ROBERT. Depreciation and the American railroads. Philadelphia, 1934. Diss. (Ph.D.) University of Pennsylvania.
- SCHULTZ-GRUNOW, FRITZ. Zur berechnung der durch druck belasteten deckel und böden. Stuttgart, 1933. Promotionsarbeit. Eidg. tech.hochschule, Zürich.
- TALLICHET, ALFRED. Contribution à l'étude de l'acide agathènedicarbonique. Lausanne, 1933. Thèse. École polytechnique fédérale, Zürich.
- TEREBESI, LADISLAUS. Über die umwandlung von aluminiumoxyd in das wasserfreie chlorid. Budapest, 1933. Promotionsarbeit. Eidg. tech.hochschule, Zürich.
- TOBLER, BRUNO. Zur kenntnis der geschwindigkeit der gasexsorption von flüssigkeiten. Hamburg, 1933. Promotionsarbeit. Eidg.tech.hochschule, Zürich.
- TREBOUX, J. M. Beitrag zur katalytischen oxydation von toluol. Riga, 1934. Promotionsarbeit. Eidg.tech.hochschule, Zürich.
- TRIVELLI, GEORGES. Chlorure sorbique et quelques alcools polyéniques simples. Lausanne, 1934. Thèse. École polytechnique fédérale, Zürich.
- VUILLEMIN, R. G. Biochemische studien zur vergleichenden bewertung von bakteriologischen nährsubstraten unter besonderer berücksichtigung des oxydations-reduktions-potentials. Solothurn, 1933. Promotionsarbeit. Eidg.tech.hochschule, Zürich.

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NOTES ON PERIODICALS

- Canadian milling and grain journal. Montreal. Changed to Canadian milling and feed journal with v. 16, no. 3, March 1935.
- City planning. Cambridge, Mass. Discontinued with v. 10, no. 4, October 1934. Succeeded by Planning and civic comment.
- Civic comment. American civic association, Union Trust Building, Washington, D. C. Discontinued with no. 49, Nov./Dec. 1934. Succeeded by Planning and civic comment.
- Colorado wool marketer. 236 Conoco Building, Denver, Col. mo. f^o. il. v. 1, no. 1, Mar. 1935. \$1.50 per yr.
- Economic bulletin of the Netherlands Indies. Batavia, Java. Changed to The Netherlands Indies; a review of the country, its economics and commerce, with v. 3, no. 1-2, Jan. 1935.
- Implement and tractor trade journal. Kansas City, Mo. Changed to Implement and tractor with v. 50, no. 5, Mar. 9, 1935.
- The National county, official publication of the American county association. Hotel La Salle, Chicago, mo. 4^o. il. v. 1, no. 1, Apr. 1935. \$3.00 per yr.
- Planning and civic comment. Successor to City planning, Civic comment, State recreation. Washington, D. C., 901 Union Trust Building. quar. 12^o. il. v. 1, no. 1, Jan./Mar. 1935. \$3.00 per yr.
- Quaderni della nutrizione. Organo della Commissione per lo studio dei problemi dell'alimentazione (Consiglio nazionale delle ricerche) Casa Editrice Cappelli, Bologna. mo. 8^o. v. 1, no. 1, May 1934. Italia L.80-estero L.100.
- La Revue générale du froid et des industries frigorifiques. Paris, Changed to La Revue générale du froid, with tome 16, no. 1, Jan. 1935.
- Roller canary journal and bird world. Kansas City, Mo. Changed to Canary journal with v. 14, no. 3, Mar. 1935.
- Sociedad de fomento fabril, Santiago de Chile. Boletín. Changed to Industria; boletín de la Sociedad de fomento fabril, with año 52, no. 1, Jan. 1935.

-O-O-O-O-O-

BIBLIOGRAPHIES AND LISTS

MISCELLANEOUS

- Canada. Bureau of statistics, Demography branch. Chronological list of Canadian censuses. Ottawa [1935?] 24 l. Mimeographed.
- Hernandez, Basilio, and Estrella, Laurenan. Philippine bibliography of the minor crops of the Philippines. Sept. 1, 1934. Manila, P. I., Bureau of science library, 1934. 166 p.
- Society of public analysis. Bibliography of the more important heavy metals occurring in food and biological material (for the years 1921 to 1933 inclusive) London, 1934. 30 p.
- Verwey, Gerlof. The economist's handbook; a manual of statistical sources. Amsterdam, The Economist's handbook, 1934. 460 p.

BIBLIOGRAPHIES AND LISTS
(Continued)

U. S. DEPARTMENT OF AGRICULTURE.

Bureau of Agricultural Economics.....

List of economic reports and services of the Bureau of agricultural economics, 1935. 52 p. (Issued by Division of economic information) Mimeographed.

Publications relating to farm population and rural life, 1935. 15 p. (Issued by Division of farm population and rural life) Mimeographed.

Bureau of Agricultural Engineering..

Bibliography on flood control. Compiled by Dorothy Graf. 1935. 9 p. (Issued by the Library) Mimeographed.

Soil erosion and its prevention. A partial list of references, 1900-1934. Compiled by Dorothy Graf. Revised 1935. 91 p. (Issued by the Library) Mimeographed.

Bureau of Biological Survey.

Publications on attracting birds. 1935. 4 p. (Wildlife research and management leaflet BS-8) (Issued by Division of wildlife research, Section of food habits) Mimeographed.

Publications on cage birds. 1935. 9 p. (Wildlife research and management leaflet BS-6) (Issued by Division of wildlife research, Section of food habits) Mimeographed.

Bureau of Chemistry and Soils.

List of bibliographies and patent lists compiled in the Food research division, Bureau of chemistry and soils. 1935. 3 p. Mimeographed.

Bureau of Entomology and Plant Quarantine.

A list of United States patents issued from 1917 to 1933 inclusive relating to rolling window screens. Compiled by R. C. Roark, 1935. 21 p. (Patent list no. 43) (Issued by Insecticide division) Mimeographed.

A list of United States patents issued from 1917 to 1933 inclusive relating to screens for windows and doors, part I-II. Compiled by R. C. Roark. 1934. (Patent list no. 41-42) (Issued by Insecticide division)

A list of United States patents issued from 1917 to 1933 inclusive relating to window screens, extensible, compiled by R. C. Roark, 1935. 13 p. (Issued by Insecticide division) Mimeographed.

Publications of the Insecticide division, for the six-month period ending March 31, 1935. 1 p. Mimeographed.

Forest Service.

Bibliography of organic and forest soils, 1926 to 1934. Selected from the literature by the Organic and forest soils committee of the American soil survey association. Compiled, edited, and mimeographed by the Central states forest experiment station, Columbus, Ohio. 1934. 37 p. Mimeographed.

Bureau of Home Economics.

A partial list of references on clothing. 1935. 2 p. Mimeographed.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

- TUGWELL, R. G. The third economy. Vital Speeches of the Day 1: 450-455.
Apr. 22, 1935.
- WALLACE, H. A. Wallace forecasts a surplus of wheat. New York Times.
84(28211): E7. Apr. 21, 1935.
- Wallace on tenant aid. Secretary urges support of Bankhead plan.
Progressive Farmer (Ky.-Tenn. ed.) 50(4): 12. Apr. 1935.
- WILSON, M. L. Wind erosion fought in a unified program. New York Times.
84(28218): 10E. Apr. 28, 1935.

Agricultural Adjustment Administration

- CLEAVER, H. M. Marketing agreement for fruits and vegetables under the
Agricultural Adjustment Act. Trans. Ill. State Hort. Soc. (1934) 68:
259-271. 1935.
- DAVIS, C. C. Proposed AAA amendments. Statement by Administrator Chester
C. Davis before the House Committee on Agriculture, February 26, 1935.
Bureau Farmer, Ill. Agr. Assoc. Sect., 10(7): 7, 8, 10. Mar. 1935.
- Underconsumption of goods- a challenge to the nation. Cooperative
Comment 3(12): 1, 4. Feb. 1935.
- FARRELL, G. E. Crop reduction and wild life conservation. Minnesota
Conserv. 22: 7, 23-24. Mar. 1935.
- Facts about wheat. Wheat adjustment - A progress report. Cooper-
ative Comment 4(1): 1. Mar. 1935.
- For unity in federal wheat program. Southwest. Miller. 14(4): 21,
43. Mar. 26, 1935.
- MYERS, L. Foreign cotton production. Com. Fert. 50(5): 9-14. May 1935.
- TAPP, J. W. Growers meet with A.A.A. Potato producers seek congressional
action to declare crop a basic commodity. New England Homestead. 108(4):
10, 11. Feb. 16, 1935.
- WELLMAN, H. R. The canning industry and AAA. Canner 80(15): 7-8, 14, 24.
Mar. 23, 1935.

Bureau of Agricultural Economics

- BARNES, C. P. Economies of the long-lot farm. Geogr. Rev. 25: 298-301.
Apr. 1935.
- BUCK, W. M. Getting the most cash out of the wool crop. Missouri Farmer
27(8): 3. Apr. 15, 1935.
- EDWARDS, E. E. The need of historical materials for agricultural research.
Agr. Hist. 9: 3-11. Jan. 1935.
- GAGE, C. E. How does grading affect the southern auction market? Tobacco.
100(15): 27, 28. Mar. 28, 1935.

*These lists are prepared in the bureaus under which they are given, with
the exception of the Office of the Secretary and Agricultural Adjustment
Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics
(Continued)

- GARLOCK, F. L. The money for spring planting. Banking. 27(10): 25,26.
Apr. 1935.
- HARRIS, C. M. Activities of the livestock, meats, and wool division in
Philadelphia. Phila. Inquirer. 212(48): 17. Feb. 17, 1935.
- MANNY, T. B. The conditions of rural life. Amer. Jour. Sociol. 40: 720-
728. May 1935.
- PETERSON, A. G. Flour and grist milling in Virginia. Va. Mag. Hist. and
Biography. 43(2): 97-108. Apr. 1935.
- RUST, H. A. Dairy and poultry men aided by U. S. Phila. Inquirer. 212(111):
a43. Apr. 21, 1935.

Bureau of Agricultural Engineering

- BENNETT, C. A. Mechanical progress in cotton ginning to 1884. Cotton and
Cotton Oil News. 36(12): 12-14. Mar. 23, 1935.
- JOYCE, B. M. Variable depth cotton planter. South. Agr. 64(2): 16. Feb.
1935.
- TAYLOR, C. A. Orchard tillage under straight-furrow irrigation. Agr. Eng.
16: 99-102. Mar. 1935.
- WORK, R. A. (With O. ARNSPIGER and C. SMITH, Oreg. Irrig. districts) Irri-
gation prospects for 1935. Rogue River Valley Pear-o-Scope. 11(12): 1,
7-11. Mar. 1935.
- YARNELL, D. L. Flow of water around bends in pipes: Discussion. Amer.
Soc.Civ. Engin. Proc. 61:356-357. Mar. 1935.

Bureau of Animal Industry

- BAKER, A. L. Experimental grazing studies. Amer. Cattle Prod. 16(11): 3-6.
Apr. 1935. Also in The Cattleman 21(12): 18-20. May 1935.
- CHITWOOD, B. G. (With M. B. CHITWOOD) The histology of nemic esophagi.
Part I. The esophagus of Rhabdias eustreptos (MacCallum, 1921). Ztschr.
Zellforsch.u.Mikros.Anat. 22 : 29-37. Nov. 22, 1934.
- The histology of nemic esophagi. Part II. The esophagus of
Heterakis gallinae. Ztschr.Zellforsch.u.Mikros.Anat. 22 : 38-46. Nov. 22,
1934.
- and WEHR, E. E. The value of cephalic structures as characters in
nematode classification, with special reference to the superfamily Spi-
rurioidea. Ztschr.Parasitenk. 7 : 273-325. Dec. 19, 1934.
- CRAM, E. B. Species of Capillaria parasitic in the upper digestive tract
of domestic and game birds. Jour.Parasitol. 20 : 334-335. Dec.1934.
- DIKMANS, G. Canine babesiasis in the United States. North Amer.Vet. 16
(1) : 45-48. Jan. 1935.
- New nematodes of the genus Longistriata in rodents. Jour.Wash.Acad.
Sci. 25 : 72-81. Feb.15, 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(Continued)

- HALL, M. C. Parasitology in relation to public health. Va. Med. Mo. (991)
61 : 588-594. Jan. 1935.
- The war on livestock parasites. (La guerra contra los parásitos del ganado) [Spanish translation of 1932 article] Rev. Hig. y Sanid. Pecuarias [Madrid] 24 : 974-989. Nov.-Dec. 1934.
- KRULL, W. H. A note on the life history of a trematode, *Eustomos chelydrae* MacCallum, 1921. Jour. Parasitol. 20 : 326-327. Dec. 1934.
- Notes on the hatchability and infectivity of refrigerated eggs of *Fasciola hepatica* Linn. Iowa Acad. Sci. Proc. 41 : 309-311. 1934.
- Studies on the life history of a trematode, *Rhipidocotyle septipapillata* n. sp. Amer. Micros. Soc. Trans. 53 : 408-415. Oct. 1934.
- Studies on the life history of *Haliipegus occidualis* Stafford, 1905. Amer. Midland Nat. 16 : 129-143. Mar. 1935.
- Studies on the life history of *Fanopisthus pricei* Sinitsin, 1931 [Trematoda] Parasitology 27 : 93-100. Feb. 1935.
- LOWE, C. D. Molasses as a feed. Natl. Live Stock Prod. 13 (7) : 10
Apr. 1935
- McINTOSH, A. A new blood trematode, *Paradeontacylix sanguinicoloides* n. g., n. sp., from *Seriola lalandi* with a key to the species of the family Aporocotylidae. Parasitology 26 : 463-467. Oct. 1934.
- A new hookworm, *Monodontus floridanus* n. sp., from a cotton rat, *Sigmodon hispidus*. Amer. Micros. Soc. Trans. 54 : 28-32. Jan. 1935.
- A new species of trematode, *Urotocus fusiformis* n. sp., from the mourning warbler. Jour. Parasitol. 21 : 55-56. Feb. 1935.
- *Odhneriotrema incommodum* (Leidy, 1856), a trematode from the mouth of *Alligator mississippiensis* [sic] (Daudin). Jour. Parasitol. 21 : 53-55. Feb. 1935.
- MARSDEN, J. S. Latest hatching-brooding methods. Turkey World 10 (4) : 10-11, 39-40. Apr. 1935.
- MILLER, D. Determination of curd tension by the use of hydrochloric acid-pepsin coagulant. Jour. Dairy Sci. 18 : 259-265. Apr. 1935.
- SHRADER, H. L. Chick sexing development. U. S. Egg & Poultry Mag. 41(5) : 37, 59, 60. May 1925. Also in Internatl. Baby Chick Assoc., Who's Who in the Hatchery World and Yearbook. 1935: 119-120. 1935.
- TITUS, H. W. New rule for cod-liver oil Country Gent. 105(4) : 108. Mar. 1935.

Bureau of Biological Survey

- BURLEIGH, T. D. The pine-woods sparrow a breeding bird in South Carolina. Auk 52 : 194. Apr. 1935.
- COTTAM, C. Late migration of tree swallows and mourning doves. Auk 52 : 189. Apr. 1935.
- DARLING, J. N. Are game hogs necessary? Natl. Waltonian 2 (9) : 6-7, Mar. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey
(Continued)

- GOLDMAN, E. A. Edward William Nelson--Naturalist. Auk 52 : 135-148, Apr. 1935.
- JEWETT, S. G. The season (ornithological) : Portland (Oreg.) region. Bird-Lore 37 : 146-147. Mar./Apr. 1935.
- KELSO, L. Bird notes from Fall River, Larimer County, Colorado, Oologist 52: 14-19. Feb. 1935.
- LINCOLN, F. C. Ancestral highways of the sky. Amer. Forests 41 : 157-159, 196. Apr. 1935.
- McATEE, W. L. Food of the barred ground dove. (Review of Food and feeding habits of the barred ground dove, by Canuto G. Manuel, Phil. Jour. Sci. 55 (1) : 69-77, Sept. 1934. Auk 52 : 213-214. Apr. 1935.
- MILLS, E. M. Municipal rat control. Extermin. Log 3 (4) : 13-14. Apr. 1935.
- MUNCH, J. C., and GARLOUGH, F. E. Antidotes, I: General plan. Jour. Amer. Pharm. Assoc. 24 : 38-39. Jan. 1935.
- MURIE, O. J. The elk of Jackson Hole. Nat. Hist. 25 : 237-247. Mar. 1935.
- OBERHOLSER, H. C. The season (ornithological) : Washington (D. C.) region. Bird-Lore 37 : 139-140. Mar./Apr. 1935.
- PREBLE, E. A. Audubon, the American woodsman. Nature Mag. 25 : 161-165. Apr. 1935.

Bureau of Chemistry and Soils

- BALLS, A. K., and HALE, W. S. Proteolysis in flours. Jour. Assoc. Off. Agr. Chem. 18 : 135-140. Feb. 1935.
- SWENSON, T. L., and STUART, L. S. Assay of papain. Jour. Assoc. Off. Agr. Chem. 18 : 140-146. Feb. 1935.
- BREWER, A. K. Abundance ratio of the isotopes of lithium. Phys. Rev. 47: 571-572. Apr. 1, 1935.
- JAMIESON, G. S., and McKINNEY, R. S. Phosphatides in American soy beans and oil. Oil & Soap 12: 70-72. Apr. 1935.
- MADORSKY, S. L., and ADAMS, J. R. Extraction of Georgia shale and Wyomingite with hydrochloric acid. Indus. and Engin. Chem. 27: 429-431. Apr. 1935.
- PINCK, L. A., HOWARD, L. B., and HILBERT, G. E. Nitrogenous composition of ammoniated peat and related products. Indus. and Engin. Chem. 27 : 440-445. Apr. 1935.
- REYNOLDS, D. S. Further studies on the Willard and Winter method for the determination of fluorine. Jour. Assoc. Off. Agr. Chem. 18 : 108-113. Feb. 1935.
- SANDO, C. E., MILNER, R. T., and SHERMAN, M. S. Pigments of the Mendelian color types in maize. Chrysanthemin from purple-husked maize. Jour. Biol. Chem. 109: 203-211. Apr. 1935.
- SCANLAN, J. T., and REID, J. D. Benzoyl auramine G. A new indicator for Kjeldahl nitrogen determinations. Indus. and Engin. Chem., Anal. Ed. 7 : 125-126. Mar. 15, 1935.
- STRAKA, R. P., and JAMES, L. H. Further studies on frozen vegetables. Jour. Bact. 29 : 313-322. Mar. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Bureau of Dairy Industry

- CURRAN, H. R. The influence of some environmental factors upon thermal resistance of bacterial spores. Jour. Infect. Diseases 56: 196-202. Mar.-Apr. 1935.
- LEIGHTON, A. The significance of physical measurements in ice cream. Internatl. Assoc. Ice Cream Manfrs. Rpt. Proc. 1934 (2): 77-81. (Rec'd Mar. 1935)
- REED, O. E. The dairy situation. Internatl. Assoc. Ice Cream Manfrs. 1934 (1): 34-41. (Rec'd Mar. 1935)
- WHITTIER, E. O., CARY, C. A., and ELLIS, N. R. The effects of lactose on growth and longevity. Jour. Nutr. 9: 531-532. Apr. 10, 1935.

Bureau of Entomology and Plant Quarantine

- ACKERMAN, A. J. Control of the codling moth by use of oil sprays. Kans. State Hort. Soc. Bien. Rpt. 42: 17-25. 1934.
- ALLEN, H. W. North American wasps of the genus Neotiphia (Hymenoptera: Tiphidae). Amer. Ent. Soc. Trans. 61: 53-65. Mar. 1935.
- ANNAND, P. N. Borer control by breeding sugar cane for resistance. Sugar Bul. 13(13): 5. Apr. 1, 1935.
- BILLS, R. W. Barberry eradication in Illinois. Ill. State Acad. Sci. Trans. (1934) 27: 59. Feb. 1935.
- BRADLEY, G. H. Notes on the southern buffalo gnat, Eusimulium pecuarum (Riley) (Diptera: Simuliidae). Ent. Soc. Wash. Proc. 37: 60-64. Mar. 1935.
- BURRELL, R. W. Notes on the habits of certain Australian Thynnidae. N. Y. Ent. Soc. Jour. 43: 19-[29], Mar. 1935.
- HAMBLETON, J. I. Man's winged ally, the busy honeybee. Natl. Geographic Mag. 67: 401-428. Apr. 1935.
- HOLLOWAY, T. E. Borer control by breeding sugar cane for resistance. Sugar Bul. 13(11): 3-4, 6. Mar. 1, 1935.
- HOWARD, N. F., MASON, H. C., and DAVIDSON, R. Derris for the control of certain vegetable insects. Ohio Vegetable Growers Assoc. Proc. 20: 21-25. 1935.
- MOZNETTE, G. F. Recent experiments in the control of the pecan nut case bearer in the Southeast. Southeastern Pecan Growers Assoc. Proc. 29: 37-42. 1935.
- NEWCOMER, E. J. Codling moth - a national problem. Rogue River Valley Pear-o-Scope 11(12): 3. Mar. 1935.
- PETERS, H. S. Mallophaga carried by Hippoboscids. Ann. Carnegie Mus., 34: 57-58. 1935.
- A new chicken louse (Mallophaga: Philopteridae) from the Canal Zone. Ohio Jour. Sci. 35: 101-104. Mar. 1935. Lipeurus angularis, n. sp.
- ROARK, R. C. What is cube? Soap. 11(6): 95, 97, 99. Apr. 1935.
- SNYDER, T. E. (With H. N. Lamb, Bur. Plant Indus.) Membracid girdling of young locust seedlings in southern Louisiana and Mississippi. La. Conserv. Rev. 4(6): 9-10, 47. Apr. 1935.
- SPIES, J. R., and DRAKE, N. L. d-Ribose from the croton bean. Amer. Chem. Soc. Jour. 57:775. Apr. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(Continued)

- STEINER, L. F., ACKERMAN, A. J., and HAMILTON, D. W.. The value of supplementary measures in the colding moth control program. Hoosier Hort. 17: 52-58. Apr. 1935.
- WAGNER, G. B., and COTTON, R. T. Reducing flour mill infestation. Amer. Miller. 63: 33-35. Apr. 1935.
- WAGNER, G. B., and WINBURN, T. F. Effect of milling process on insects. Amer. Miller. 63: 58-60. Apr. 1935. (Authorship appears incorrectly in periodical as Richard T. Cotton and George B. Wagner.)
- WALTON, W. R. John Merton Aldrich Ph.D. Ent. Soc. Wash. Proc. 37: 53-59, Mar. 1935.

Food and Drug Administration

- HARVEY, J. L. Do you take precautions against dangerous spray residues? Canning Age 16: 203-204, 218. Apr. 1935.

Forest Service

- AMES, F. E. The forest resources of the Pacific slope. Pacific Sci. Cong. 5th, Victoria and Vancouver, B. C., 1933. Proc. p.995-1006. 1934.
- AVERELL, J. L. Timber stand improvement with Nira funds. Jour. Forestry. 33: 398-401. Apr. 1935.
- BENSON, H. K. Pulping of resinous wood in the United States. Pacific Sci. Cong., 5th, Victoria and Vancouver, B.C., 1933. Proc. p.3949-3956. 1934.
- BOLLES, W. H. The Swedish gang saw. N. Y. State Col. Forestry, Syracuse Univ. State Ranger School. Alumni News. 1934: 17-18, 74. 1934 (Rec'd Mar. 1935)
- BUCK, C. J. What Pacific Coast foresters demand of the meteorologist. Pacific Sci. Cong., 5th, Victoria and Vancouver, B.C., 1933. Proc. p.1665-1668. 1934.
- CARY, A. Forty years of forest use in Maine. Jour. Forestry. 33: 366-372. Apr. 1935.
- DELMON, E. L. The silvicultural aspects of the forest-fire problem in the longleaf pine region. Jour. Forestry. 33: 323-331. Mar. 1935.
- ELDRIDGE, I. F. Administrative problems in fire control in the longleaf slash pine region of the South. Jour. Forestry. 33: 342-346. Mar. 1935.
- The forest survey in the South. Jour. Forestry. 33: 406-411. Apr. 1935.
- HASTINGS, A. B. Forest fire control in the coastal plains section of the South. Jour. Forestry. 33: 320-323. Mar. 1935.
- HUNT, G. M., and TRUAX, T. R. Fire proofing wood with chemicals. Pacific Sci. Cong., 5th, Victoria and Vancouver, B. C., 1933. Proc. p.3873-3878. 1934.
- JACOT, A. P. The mite Oribata lamellata and related species. Australian Museum. Records. 19: 181-183. Sept. 28, 1934. (Rec'd May 1935)
- KELLEY, E. W. Forest fire fighting now down to a science. Forestry News Digest. 1935 (May): 26-27. May 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Forest Service
(Continued)

- KOTOK, E. I. Fire, a major ecological factor in the pine region of California. Pacific Sci. Cong., 5th, Victoria and Vancouver, B. C., 1933. Proc. p. 4017-4022. 1934.
- LEACH, M. C. The Ozark National Forest. N.Y. State Col. Forestry, Syracuse Univ. State Ranger School. Alumni News. 1934; 57-61. 1934 (Rec'd Mar. 1935)
- LOVERIDGE, E. W. A country-wide forest fire weather hazard index. Jour. Forestry. 33: 379-384. Apr. 1935.
- MCARDLE, R. E. A visibility meter for forest fire lookouts. Jour. Forestry. 33: 385-388. Apr. 1935.
- MATHEWS, D. N. Experience with hazard indicator sticks. Jour. Forestry. 33: 392-397. Apr. 1935.
- MOREY, H. F., and STICKEL, P. W. Numbering trees on permanent sample plots with rubber stamps and paint. Jour. Forestry. 33: 422-425. Apr. 1935.
- MUNGER, T. T. Practical application of silviculture to overmature stands now existing on the Pacific. Pacific Sci. Cong., 5th, Victoria and Vancouver, B. C., 1933. Proc. p. 4023-4030. 1934.
- REINEKE, L. H. Discussion of Demeritt and McIntyre's method of constructing tree volume tables. Jour. Forestry. 33: 412-418. Apr. 1935.
- SHANK, H. M. A measure of forest fire hazard in central Idaho. Jour. Forestry. 33: 389-391. Apr. 1935.
- SHERRARD, E. C. The chemistry of wood in relation to present and possible use. Pacific Sci. Cong., 5th, Victoria and Vancouver, B. C., 1933. Proc. p. 543-546. 1934.
- SILCOX, F. A. Forestry - a public and private responsibility. Amer. Forests. 41: 160-161, 193-194. Apr. 1935.
- Foresters must choose. Jour. Forestry. 33: 198-204. Mar. 1935.
- TIEMANN, H. D. The kiln-drying of refractory woods. Pacific Sci. Cong., 5th, Victoria and Vancouver, B. C., 1933. Proc. p. 3885-3894. 1934.
- WAHLENBERG, W. G. Effect of fire and grazing on soil properties and the natural reproduction of longleaf pine. Jour. Forestry. 33: 331-338. Mar. 1935.
- ZUMMALT, E. V. The Black's Mountain Experimental Forest. N. Y. State Col. Forestry, Syracuse Univ. State Ranger School. Alumni News. 1934 : 64-66. 1934 (Rec'd Mar. 1935)

Bureau of Home Economics

- ADAMS, G., and CHATFIELD, C. Classification of fruits and vegetables according to their carbohydrate content. Jour. Amer. Dietetic Assoc. 10 : 383-390. Jan. 1935.
- DEVANEY, G. M., and MUNSELL, H. E. Vitamin D content of calf, beef, lamb, and hog liver. Jour. Home Econ. 27: 240-241. Apr. 1935.
- ELMQUIST, R. E., and HAYS, M. B. Serviceability of fabrics manufactured from three grades of American Upland cotton. Rayon and Melliand Textile Monthly 16 (1): 50-51; (2): 41-42, 51. Jan., Feb. 1935.
- O'BRIEN, R. When the consumer buys piece goods. Piece Goods Promotion 1 (2): 21, 26. Mar. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Bureau of Plant Industry

- ATWOOD, A. C. Daffodil literature. Amer. Hort. Soc. Amer. Daffodil Year Book 1935: 83-88. 1935.
- CHANCE, F. D. Improving the Tennessee burley tobacco crops. Tobacco 100(13): 67-88. Mar. 28, 1935.
- CHASE, A. Studies in the Gramineae of Brazil. I. Journ. Wash. Acad. Sci. 25:187-190. Apr. 15, 1935.
- DARROW, G. M. Strawberry varieties introduced by the United States Department of Agriculture. Minn. Hort. 63:65-68. Apr. 1935.
- DRECHSLER, C. A new mucedinaceous fungus capturing and consuming Amoeba verrucosa. Mycologia 27: 216-223. Mar./Apr. 1935.
- A new species of conidial Phycomycete preying on nematodes. Mycologia 27: 206-215. Mar./Apr. 1935.
- Some non-catenulate conidial Phycomycetes preying on terricolous Amoebae. Mycologia 27: 176-205. Mar./Apr. 1935.
- EDSON, H. A. United States of America: tobacco diseases for 1934 in the Atlantic Coast region. Internatl. Bul. Plant. Protect. 9: 54-55. Mar. 1935.
- FISHER, D. F. Progress in spray residue removal. Proc. Ohio State Hort. Soc. 68: 55-60. 1935. (With Bur. Ent. & Plant Quarantine and Food & Drug Admin.)
- GOULD, H. P. (With S. Johnston, South Haven Expt. Sta.) The Campas pear, Mich. Agr. Expt. Sta. Quart. Bul. 17: 155-157. Feb. 1935.
- GRIFFITHS, D. Daffodil notes from the United States bulb station, Bellingham, Washington. Amer. Hort. Soc. Amer. Daffodil Year Book 1935: 30-37. 1935.
- HANSBROUGH, J. R. A new canker disease of red pine, caused by *Tympanis pinastri*. Science 81: 408. Apr. 26, 1935.
- HARLAN, H. V., and MARTINI, M. L. The lateral flowers of two-rowed barley. Varying levels of fertility possibility associated with plant vigor. Jour. Heredity 26: 109-113. Mar. 1935. (With Idaho Agr. Expt. Sta.)
- HARVEY, R. B., and FULTON, R. R. Relation of hydrogen ion concentration and total acidity to the taste of tomatoes. Fruit Prod. Jour. 14: 238-239. illus. Apr. 1935.
- HOERNER, G. R., and SMITH, D. C. A new canker of hops in Oregon. (Note) Phytopathology 25: 437-439. Apr. 1935.
- HUMPHREY, H. B. Cereal rust parasitism: its relation to water economy, yield, and quality of the host plant. Roy. Soc. Canada Trans. ser. 3, 28 (sect. V): 153-164. May 1934 (Recd Apr. 1935)
- LINEBERRY, R. A. The relation of fertilizer and soil reaction to viability and production of strawberries. Com. Fert. 50(4): 12-16. Apr. 1935.
- McMURTREY, J. E., jr. Boron deficiency in tobacco under field conditions. Journ. Amer. Soc. Agron. 27: 271-273. Apr. 1935. (With Md. Agr. Exp. Sta.)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- SHAMEL, A. D. Marsh grapefruit history. How seedless variety came to California and Arizona. Ariz. Prod. 14(3): 14-15. Apr. 15, 1935.
----- and POMEROY, C. S. Searching for avocado bud sports. Calavo News 1935(Mar./Apr.): 4. Mar./Apr. 1935.
- SHEAR, C. L., and STEVENS, N. E. Key to symbols used by Berkeley and Curtis in their copies of Schweinitz' "Synopsis fungorum in America Boreali". (Note) Mycologia 27: 224-225. Mar./Apr. 1935.
- SMITH, D. C. Varietal yields of hops in 1934. Pacific Hop Grower 2(12): 3,5. Apr. 1935. (With Oreg. Agr. Expt. Sta.).
- SMITH, G. M. Golden Cross Bantam sweet corn, its development and distribution. Canning Age 16: 171-173. Mar. 1935. (With Purdue Univ. Agr. Expt. Sta.)
- SMUCKER, S. J. Air currents as a possible carrier of Ceratostomella ulmi. (Note) Phytopathology 25: 442-443. Apr. 1935.
- SPRAGUE, R. Wojnowicia graminis as a very weak, secondary parasite of winter cereal crops. Phytopathology 25: 405-415. Apr. 1935. (With Oreg. and Wash. Agr. Expt. Stas.)
- SUNESON, C. A. Cheyenne winter wheat. Nebr. State Bd. Agr. Ann. Rpt. 1934: 178-181. [1935] (With Nebr. Agr. Expt. Sta.) In 25th Ann. Rpt. Nebr. Crop Grow. Assoc.
- SWALLEN, J. R. Centrochloa, a new genus of grasses from Brazil. Jour. Wash. Acad. Sci. 25: 190-193. Apr. 15, 1935.
- WELLMAN, F. L. The host range of the southern celery-mosaic virus. Phytopathology 25: 377-404. Apr. 1935.

Bureau of Public Roads

- EWEN, J. Designing and locating highways to facilitate the development of natural landscape. West. Construct. News 10(3): 74-76. Mar. 1935.
- HARRISON, J. L. Job management in road building. Pt. 2 - Factors governing high production. Construct. Methods 17(4): 40-42. Apr. 1935.
- MACDONALD, T. H. Good roads work has been in the pioneering stage; the most vital refining process has just begun. Com. Car. Jour. 49(1): 41-43. Mar. 1935.
- TOMS, R. E. Transverse contraction and expansion joint design. Amer. Highways 14(2): 9, 12. Apr. 1935.

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ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK *

Arizona

- LANTZ, E. M., and SMITH, M. C. (With R. M. LEVERTON, Univ. Ariz.) The calcium and phosphorus metabolism of children with mottled enamel. Jour. Home Econ. 27(4): 236-239. April 1935.
- SMITH, M. C., and SMITH, H. V. Mottled enamel of deciduous teeth. Science n.s. 81(2090): 77. Jan. 18, 1935. (Special article)

California

- ALLEN, R. F. A cytological study of heterothallism in Puccinia sorghi. Jour. Agr. Research [U. S.] 49(12): 1047-1068. Dec. 15, 1934. (Coop. with U. S. Dept. Agr.)
- COMPERE, H. The search for parasites of red scale and other citrus pests in Brazil. Citrus Leaves 15(1): 8-9. Jan. 1935.
- GREGORY, P. W., GOSS, H., and AMUNDSON, V. S. Glutathione concentration of White Leghorn and Barred Plymouth Rock embryos after fourteen days of incubation. Soc. for Expt. Biol. and Med. Proc. 32(6): 966-967. March 1935.
- HAAS, A. R. C. Growth response of tree tops relative to soil treatments. Calif. Citrograph 20(2): 36. Dec. 1934.
- HUGHES, E. H., and HART, H. G. Production and composition of sow's milk. Jour. Nutrition 9(3): 311-322. March 10, 1935.
- KLOTZ, L. J., and FAWCETT, H. S. Valencia rind spot. Calif. Citrograph 20(1): 4, Nov. 1934.
- LORENZ, F. W., and ALMQUIST, H. J. Effect of malvaceous seeds on stored-egg quality. Indus. and Engin. Chem. 26(12): 1311-1313. Dec. 1934. (F. W. Lorenz, Univ. Calif.)
- MERRILL, F. D., BAYMILLER, C. C., and NICHOLS, P. F. Determination of moisture in dried apples. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(8): 232-234, 237. April 1935. (F. D. Merrill and C. C. Baymiller, Univ. Calif.)
- MORGAN, A. F. (With M. J. HUNT and M. SQUIER, Univ. Calif.) The vitamin B. and G content of prunes. Jour. Nutrition 9(4): 395-402. April 10, 1935.
- MORGAN, A. F., FIELD, A., KIMMEL, L., and NICHOLS, P. F. The vitamin content of figs. Jour. Nutrition 9(3): 383-394. March 10, 1935. (A. Field and L. Kimmel, Univ. Calif.)
- MORGAN, A. F., KIMMEL, L., FIELD, A., and NICHOLS, P. F. The vitamin content of Sultanina (Thompson seedless) grapes and raisins. Jour. Nutrition 9(3): 369-382. March 10, 1935. (L. Kimmel and A. Field, Univ. Calif.)
- NELSON, D. H. Factors affecting economical manufacture, uniformity in composition and quality of butter. Jour. Dairy Sci. 18(4): 207-211. April 1935.

*Prepared in Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California
(Continued)

- NICHOLS, P. F. Prune moisture content and processing. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(7): 211-213, 215; (8): 240-241, 253. March, April 1935.
- PARKER, E. R. Experiments on mottle leaf by spraying with zinc compounds. Calif. Citrograph 20(4): 90, 106-107. Feb. 1935.
- QUAYLE, H. J., and EBELING, W. Spray-fumigation treatment for resistant red scale on lemons. Calif. Citrograph 20(1): 4, 23. Nov. 1934.
- SCHALM, O. W., and BEACH, J. R. The resistance of the virus of infectious laryngotracheitis to certain physical and chemical factors. Jour. Infect. Diseases 56(2): 210-223. March-April 1935. (O.W. Schalm, Univ. Calif.)
- SINCLAIR, W. R., BARTHOLOMEW, E. T. (With R. D. NEDVIDEK, Chemist, Calif. Fruit Growers Exchange) The isolation and distribution of nitrogen in dilute alkali-soluble proteins of healthy Valencia and Washington navel orange fruits. Jour. Agr. Research [U. S.] 50(2): 173-180. Jan. 15, 1935.
- SMITH, C. O. Crown gall on the Sequoia. Phytopathology 25(4): 439-440. April 1935. (Note)
- SMITH, R. H., MEYER, H. U., and PERSING, C. O. The nicotine vaporizer, a device for utilizing nicotine in the control of insect pests. Science n.s. 81(2099): 296-297. March 22, 1935. (Scientific apparatus and laboratory methods)
- TAKAHASHI, W. N., and RAWLINS, T. E. The relation of stream double refraction to tobacco mosaic virus. Science n.s. 81(2099): 299-300. March 22, 1935. (Special article) (W. N. Takahashi, Univ. Calif.)

Colorado

- LIST, G. M. Codling moth control in Colorado. Ill. State Hort. Soc. Trans. 68(1934): 177-190. [1935]
- LIST, G. M., and SWEETMAN, L. The collection and analysis of data on the value of non-arsenical insecticides for the control of cabbage worms. Jour. Econ. Ent. 28(2): 298-304. April 1935.
- LIST, G. M. Psyllid yellows of tomatoes and control of the psyllid, *Paratrioza cockerelli* Sulc., by the use of sulphur. Jour. Econ. Ent. 28(2): 431-436. April 1935.
- METZGER, C. H. The control of flea beetle and psyllid yellows in Colorado. Nebr. State Board Agr. Ann. Rpt. 1934: 606-610. [1934]
- METZGER, C. H. How the record yield of potatoes was produced in Colorado. Nebr. State Board Agr. Ann. Rpt. 1934: 632-638. [1934]
- NEWSOM, I. E., and CROSS, F. Third outbreak of paratyphoid dysentery in lambs. Jour. Amer. Vet. Med. Assoc. 86[i.e. 84] (4): 534-536. April 1935. (Clinical and case reports)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Connecticut (State)

- BAILEY, E. M. [and others] Report of committee to confer with the American public health association on standard methods of milk analysis. Jour. Assoc. Off. Agr. Chem. 18(1): 90. Feb. 15, 1935.
- CLINTON, G. P., and McCORMICK, F. A. The Dutch elm disease, *Graphium ulmi*, in Connecticut. Science n.s. 81(2090): 68-70. Jan. 18, 1935. (Discussion)
- JONES, D. F. The similarity between fasciations in plants and tumors in animals and their genetic basis. Science n.s. 81(2090): 75-76. Jan. 18, 1935. (Special article)
- VICKERY, H. B., PUCHER, G. W., and CLARK, H. E. Glutamine in the tomato plant. Science n.s. 80(2081): 459-461. Nov. 16, 1934. (Special article)
- VICKERY, H. B., PUCHER, G. W., and CLARK, H. E. The preparation of glutamine. Jour. Biol. Chem. 109(1): 39-42. April 1935.

Connecticut (Storrs)

- DAVID, L. T. Modification of hair direction and slope on mice and rats (*Mus musculus* and *Mus norvegicus albinus*). Jour. Expt. Zool. 68(3): 519-528. Aug. 5, 1934.
- DAVID, L. T. Studies on the expression of genetic hairlessness in the house mouse (*Mus musculus*): I. Skin folds. II. Precocious hair regeneration. III. Reactions to benzyl mercaptan. IV. Skin grafts and parabiosis. Jour. Expt. Zool. 68(3): 501-518. Aug. 5, 1934.

Florida

- CAMP, A. F. The use of zinc sulphate on citrus. Citrus Indus. 15(10): 16, 18. Oct. 1934.
- VOORHEES, R. K. Histological studies of a seedling disease of corn caused by *Gibberella moniliformis*. Jour. Agr. Research [U. S.] 49(11): 1009-1015. Dec. 1, 1934.
- WATSON, J. R. Termites and ants in banked trees. Citrus Indus. 15(11): 9, 25. Nov. 1934.

Idaho

- ATHESON, F. W., and BERESFORD, H. Portable elevator as a labor-saving device on the dairy farm. Agr. Engin. 16(4): 149-150, 154. April 1935.

Illinois

- ANDERSON, H. W. Apple measles and frog eye leaf spot. Ill. State Hort. Soc. Trans. 68(1934): 424-431. [1935]
- ANDERSON, H. W. Some problems in vegetable pathology. Ill. State Hort. Soc. Trans. 68(1934): 374-384. [1935]
- BLAIR, J. C. Equipment for research and teaching. Ill. State Hort. Soc. Trans. 68(1934): 232-233. [1935]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Illinois
(Continued)

- DORSEY, M. J. The effect of moisture extremes upon fruit trees. Ill. State Hort. Soc. Trans. 68(1934): 437-447. [1935]
- FARRAR, M. D., and KELLEY, V. W. The accumulative effect of oil sprays on apple trees. Jour. Econ. Ent. 28(2): 260-263. April 1935.
- FLINT, W. P. The chinch bug. Jour. Econ. Ent. 28(2): 333-341. April 1935.
- FLINT, W. P. (With M. D. FARRAR and W. E. McCAULEY) Chinch bug barriers and repellents. Jour. Econ. Ent. 28(2): 410-414. April 1935.
- FLINT, W. P. Codling moth control in southern Illinois in 1934. Ill. State Hort. Soc. Trans. 68(1934): 460-468. [1935]
- FLINT, W. P. (With S. C. CHANDLER, E. R. McGOVERN and M. D. FARRAR, State Nat. Hist. Surv.) Progress in control of codling moth in 1934. Ill. State Hort. Soc. Trans. 68(1934): 153-176. [1935]
- KADOW, K. J. Zinc sulfate as a fungicide and bactericide, together with its effect on peach growth and on peach spray injury. Ill. State Hort. Soc. Trans. 68(1934): 240-257. [1935]
- KELLEY, V. W. The effect of pruning on growth and production of young apple trees. Ill. State Hort. Soc. Trans. 68(1934): 416-423. [1935]
- KELLEY, V. W. Managing the soil of the fruit planting. Ill. State Hort. Soc. Trans. 68(1934): 288-305. [1935]
- KELLEY, V. W. A summary of good orchard practices. Ill. State Hort. Soc. Trans. 68(1934): 314-326. [1935]
- McMURR, R. L., and DORSEY, M. J. Investigations on delayed harvesting of Elberta peaches. Ill. State Hort. Soc. Trans. 68(1934): 491-502. [1935]
- RUTH, W. A., and KADOW, K. J. Spray residue removal. Ill. State Hort. Soc. Trans. 68(1934): 191-198. [1935]
- SOMERS, L. A. The history of some horticultural plants. Ill. State Hort. Soc. Trans. 68(1934): 344-352. [1935]
- SOMERS, L. A. Italian green sprouting broccoli and Chinese cabbage. Ill. State Hort. Soc. Trans. 68(1934): 386-399. [1935]
- SOMERS, L. A. The possibilities of irrigation. Ill. State Hort. Soc. Trans. 68(1934): 308-314. [1935]
- TRACY, P. H. Properties, virtues and possible drawbacks of homogenized milk. Milk Plant Monthly 24(4): 28-32. April 1935.

Indiana

- CUMMINS, G. B. The genus Dicheirinia. Mycologia 27(2): 151-159. March-April 1935.
- OUTLER, G. H., and BRINSON, G. A. The granulation of whole wheat meal and a method of expressing it numerically. Cereal Chem. 12(2): 120-129. March 1935.
- DAVIS, J. J. The European corn borer: past, present and future. Jour. Econ. Ent. 28(2): 324-333. April 1935.
- SPITZER, G., and PARFITT, E. H. Relation of the proteolytic enzyme activity to the proteolytic organisms found in separator slime. Jour. Dairy Sci. 18(4): 267-272. April 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Iowa

- BUCHHOLTZ, W. F. Relation of soil acidity to a seedling disease of alfalfa on three Iowa soils. *Phytopathology* 25(4): 421-425. April 1935.
- ERRINGTON, P. L. Wintering of field-living Norway rats in south-central Wisconsin. *Ecology* 16(1): 122-123. Jan. 1935. (Notes and comments).
- HABER, E. S. Production of spinach for the canning factory. *Canning Age*, 16(4): 168-170. March 1935.
- KNIPLING, E. F., and TATE, H. D. An outbreak of the screw worm, *Cochliomyia americana* Cushing and Patton, in northwestern Iowa. *Jour. Econ. Ent.* 28(2): 472-475. April 1935. (E. F. Knipping, U. S. Dept. Agr.)
- LOWE, B. Problems in coke making. *Nebr. State Board Agr. Ann. Rpt.* 1934: 292-299. [1934]
- MORTENSON, F. N., ESPE, D. L., and CANNON, C. Y. Effect of heating milk on the time which the curds remain in the abomasum of calves. *Jour. Dairy Sci.* 18(4): 229-238. April 1935.
- OSBURN, O. L., STRITAR, J., and WERKMAN, C. H. The thermophilic fermentation of beet pulp. *Jour. Agr. Research [U. S.]* 50(2): 165-172. Jan. 15, 1935. (O. L. Osburn and J. Stritar, U. S. Dept. Agr.)
- SHEDD, C. K., COLLINS, E. V., and DAVIDSON, J. B. The basin method of planting row crops and a basin lister planter. *Agr. Engin.* 16(4): 133-136. April 1935.
- WOOD, H. G., and WERKMAN, C. H. The utilization of agricultural byproducts in the production of propionic acid by fermentation. *Jour. Agr. Research [U. S.]* 49(11): 1017-1024. Dec. 1, 1934.

Kansas

- AICHER, L. C. Production and utilization of grain and forage sorghums. *Nebr. State Board Agr. Ann. Rpt.* 1934: 193-203. [1934]
- DEAN, G. A. The control of some insects infesting garden flowers and ornamental shrubs. *Kans. State Hort. Soc. Bien. Rpt.* 42(1932-1933): 202-210. 1934.
- FAY, A. C., CAULFIELD, W. J., and RIDDELL, W. H. The germicidal efficiency of lye and chlorine solutions for the sterilization of milking machines and cream separators. *Jour. Dairy Sci.* 18(4): 239-245. April 1935.
- JOHNSTON, C. O., and MILLER, E. C. Relation of leaf-rust infection to yield, growth and water economy of two varieties of wheat. *Jour. Agr. Research [U.S.]* 49(11): 955-981. Dec. 1, 1934. (C. O. Johnston, U. S. Dept. Agr.)
- SWANSON, C. O. Some factors which affect the diastatic activity in wheat. *Cereal Chem.* 12(2): 89-107. March 1935.
- WARREN, D. C., and SCOTT, H. M. Ovulation in the domestic hen. *Science n.s.* 80(2081): 461-462. Nov. 13, 1934. (Special articles)

Kentucky

- EDDY, C. O. A new spreader for nicotine. *Jour. Econ. Ent.* 28(2): 469-472. April 1935.
- VALLEAU, W. D. A probable case of sulphur starvation in tobacco. *Phytopathology* 25(4): 430-432. April 1935. (Notes)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Maryland

- CORY, E. N., and LANGFORD, G. S. Sulfated alcohols in insecticides. Jour. Econ. Ent. 28(2): 257-260. April 1935.
- SUPPLEE, W. C. A study of the effect of significant variations of the calcium content of the A.O.A.C. basal rachitic ration of the percentage of bone ash in chick tibiae. Jour. Assoc. Off. Agr. Chem. 18(1): 146-149. Feb. 15, 1935.

Massachusetts

- GIBBS, C. S. The tiology of epidemic colds in chickens. Science n.s. 81(2101): 345-346. April 5, 1935. (Special articles)
- VAN METER, R. A. Varieties and the planting problem. N. H. Hort. Soc. Rpt. 24(1934): 100-104. [1935]

Michigan

- HUTSON, R. Strawberry leaf roller control by non-poisonous insecticides. Jour. Econ. Ent. 28(2): 388-390. April 1935.
- NEILSON, J. A. Some new grafting compounds and wound dressings. Amer. Fruit Grower 55(3): 8, 21. March 1935.

Minnesota

- CHRISTENSEN, J. J., and JOHNSON, I. J. Field reaction of varieties and selfed lines of corn to different collections of Ustilago zeae. Jour. Agr. Research [U. S.] 50(1): 42-57. Jan. 1, 1935.
- JOHNSON, D. W., and PALMER, L. S. Ergot as a factor in the nutritive value of rye for rats and swine. Jour. Agr. Research [U. S.] 50(1): 39-45. Jan. 1, 1935.
- MASON, I. D., and PALMER, L. S. Utilization of gelatin, casein and zein by adult rats. Jour. Nutrition 9(4): 489-505. April 10, 1935.
- PALMER, L. S., and NELSON, J. W. Comparison of Jenner-Kay and Bodansky methods for determining phosphatase in plasma and serum. Soc. Expt. Biol. and Med. Proc. 31(9): 1070-1073. June 1934.
- RUGGLES, A. G., and EIDE, C. J. A pest control program for apples in Minnesota. Minn. Hort. 63(4): 73. April 1935.
- WALLIS, G. C., PALMER, L. S., and GULLICKSON, T. W. The relation of vitamin D to calcium and phosphorus retention in cattle as shown by balance trials. Jour. Dairy Sci, 18(4): 213-228. April 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Missouri

- ADAMS, E., and ROBBINS, W. J. Effect of dyes on yeast fermentation as influenced by hydrogen-ion concentration. Jour. Agr. Research [U.S.]:49(11): 1025-1031. Dec. 1, 1934. (E. Adams, Trenton Junior College)
- COLES, J. V. Use of brand names in reports of research. Jour. Home Econ. 27(4): 226-228. April 1935.
- FUNK, E. M. The relation of sexual maturity and egg weight in the domestic fowl. Jour. Agr. Research [U. S.] 49(11): 1033-1039. Dec. 1, 1934.
- MURPHEE, A. E. Pruning and thinning in the orchard program. Nebr. State Board Agr. Ann. Rpt. 1934: 465-466. 1934.

Montana

- WELCH, H., and MARSH, H. A whole-blood field agglutination test for Bang's disease in range cattle. Journ. Amer. Vet. Med. Assoc. 86 [i.e. 84] (4): 493-507. April 1935.

Nebraska

- ALEXANDER, M. A., and WEBER, A. D. Early and late lamb production. Nebr. State Board Agr. Ann. Rpt. 1934: 511-520. [1934]
- ALEXANDER, M. A. (With W. ESRY and W. W. DERRICK, Nebr. College of Agr.) Selecting breeding stock, blocking and showing. Nebr. State Board Agr. Ann. Rpt. 1934: 506-507. [1934]
- ALFORD, S. W. Parasite control. Nebr. State Board Agr. Ann. Rpt. 1934: 543-544. [1934]
- ANDERSON, A. What is new in the spring grains? Nebr. State Board Agr. Ann. Rpt. 1934: 182-185. [1934]
- ANDERSON, A. C., and PETERS, M. Use lard in home baking. Nebr. State Board Agr. Ann. Rpt. 1934: 533-536. [1934] (A. C. Anderson, Univ. Nebr.)
- BLISE, M. J., and BODE, C. E. Catalase activity in wheat flour. Cereal Chem. 12(2): 133-142. March 1935.
- DOWNES, P. A. Twenty-five years of progress in the ice cream industry. Ice Cream Rev. 18(9): 48, 52. April 1935.
- GEORGE, A. G. Major cost items in producing potatoes. Nebr. State Board Agr. Ann. Rpt. 1934: 596-605. 1934.
- GOSS, R. W. Five years' spraying tests for the control of cherry leaf-spot. Nebr. State Board Agr. Ann. Rpt. 1934: 483-494. [1934]
- GOSS, R. W. Four serious diseases of table and seed potatoes (Scab, Fusarium wilt, Rhizoctonia, and Early Blight) Nebr. State Board Agr. Ann. Rpt. 1934: 619-624. [1934]
- HOLDEN, J. A. The "profit-bushels" in potato production. Nebr. State Board Agr. Ann. Rpt. 1934: 629-631. [1934]
- PETERS, M. Beef roasting. Nebr. State Board Agr. Ann. Rpt. 1934: 564-566. [1934]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Nebraska
(Continued)

- RUSSEL, J. C. Fertilizers for gardens, lawns, and flowers. Nebr. State Board Agr. Ann. Rpt. 1934: 396-404. [1934?]
- SMITH, C. W. Machinery to control the field bindweed. Agr. Engin. 16(4): 142-148. April 1935.
- SUNESON, C. A. Cheyenne winter wheat. Nebr. State Board Agr. Ann. Rpt. 1934: 178-181. [1934] (In Coop. with U. S. Dept. Agr.)
- WERNER, H. O. Progress report on some experiments dealing with soil preparation and planting methods for potatoes on dry land in western Nebraska. Nebr. State Board Agr. Ann. Rpt. 1934: 593-594. [1934]
- WERNER, H. O., and GOSS, R. W. Results in 1933 from dry land crop rotation plats at the Box Butte experimental farm. Nebr. State Board Agr. Ann. Rpt. 1934: 594-595. [1934]
- WERNER, H. O. Storage experiments with seed potatoes during the winter of 1932-1933. Nebr. State Board Agr. Ann. Rpt. 1934: 614-618. [1934]
- WIGGAMS, C. C. The clarification of cider. Nebr. State Board Agr. Ann. Rpt. 1934: 470-476. [1934]
- YOCUM, W. W. What fungicides shall we use in our spray schedule? Nebr. State Board Agr. Ann. Rpt. 1934: 478-482. [1934]

New Hampshire

- LATIMER, L. P. Does cross-pollination mean anything to the fruit grower's pocketbook? N. H. Hort. Soc. Rpt. 24(1934): 105-111. [1935]
- POTTER, G. F. What is known about Baldwin spot, cork, and drought spot. N. H. Hort. Soc. Rpt. 24(1934): 54-64. [1935]
- POTTER, G. F. Winter injury [to trees] N. H. Hort. Soc. Rpt. 24(1934): 65-73. [1935]
- RASMUSSEN, E. J. Five years of storage research on New Hampshire apples. N. H. Hort. Soc. Rpt. 24(1934): 84-99. [1935]

New Jersey

- GINSEBURG, J. M., and GRANETT, P. Arsenical substitutes. I. Chemicals tested as arsenical substitutes in 1934. Jour. Econ. Ent. 28(2): 292-298. April 1935.
- HAENSELER, C. M. Care of tomatoes in the plant bed. Canning Age 16(5): 200-202. April 1935.
- RHINES, C. The relationship of soil protozoa to tubercle bacilli. Jour. Bact. 29(4): 369-381. April 1935.
- WEBER, A. L. Rendering spray residue service to New Jersey growers. Ill. State Hort. Soc. Trans. 68(1934): 206-214. [1935]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

New Mexico

STROMAN, G. N. Procedure for rapid calculation of multiple correlation coefficients. Jour. Agr. Research [U. S.] 50(1): 59-69. Jan. 1, 1935.

New York (State)

CHAPMAN, P. J., and DEAN, R. W. Larvicidal efficiency of certail spray combinations against the fruit tree leafroller. Jour. Econ. Ent. 28(2): 376-379. April 1935.

HARTZELL, E. Z., HARMAN, S. W., and REED, T. W. Some recent developments in regard to tar distillate and tar-lubricating oil sprays. Jour. Econ. Ent. 28(2): 263-268. April 1935.

HORSFALL, J. G. Where was Stewart's disease of sweet corn in 1934? New evidence indicates that cold winter reduced its ravages. Canning Age 16(2): 71-73. Feb. 1935.

REED, T. W. The biology of the apple aphids in relation to fall spraying. Jour. Econ. Ent. 28(2): 379-385. April 1935.

SAYRE, C. B. Economy in use of fertilizers by proper placement. Canning Trade 57(36): 10, 12. April 15, 1935.

STEINER, H. M. Immediate and residual effects of certain insecticides on the white apple leafhopper. Jour. Econ. Ent. 28(2): 385-388. April 1935.

New York (Cornell)

ASDELL, S. A. (With H. R. SEIDENSTEIN, Cornell Univ.) Theelin and progestin injections on uterus and mammary glands of ovariectomized and hypophysectomized rabbits. Soc. for Expt. Biol. and Med. Proc. 32(6): 931-933. March 1935.

CLAASEN, P. W. (With C. E. PALM) The alfalfa snout beetle, *Brachyrhinus ligustici* L., a new insect pest in New York state. Jour. Econ. Ent. 28(2): 417-420. April 1935.

HAUCK, H. M. The effect of fluorine feeding on the storage of vitamin C in the rat and guinea pig. Jour. Agr. Research [U. S.] 49(11): 1041-1046. Dec. 1, 1934

KNAYSI, G. Gurther observations on certain variants of *Bacillus megatherium*. Jour. Bact. 29(4): 389-390. April 1935.

McCay, C. M., and MAYNARD, L. A. The effect of ingested cod liver oil, shark liver oil, and salmon oil upon the composition of the blood and milk of lactating cows. Jour. Biol. Chem. 109(1): 29-37. April 1935.

ROMELL, L. G. An example of myriapods as mull formers. Ecology 16(1): 67-71. Jan. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

North Dakota

MANGELS, C. E., and MARTIN, J. J., jr. Peptization of wheat flour proteins by organic acids. Cereal Chem. 12(2): 149-157. March 1935.

Ohio

CUTRIGHT, C. R. Through the year with spray materials, with special reference to apple. Amer. Fruit Grower 55(3): 7, 22. March 1935.

HOUSER, J. S. The black grain-stem sawfly, *Trachelus tabidus* (Fab.), in Ohio. Jour. Econ. Ent. 28(2): 457-458. April 1935.

HOWLETT, F. S. Gorham pear as pollinizer. Amer. Fruit Grower 55(3): 12, 30. March 1935.

HUBER, L. L., and HOUSER, J. S. A comparison of certain materials used as chinch bug barriers. Jour. Econ. Ent. 28(2): 414-416. April 1935.

NEISWANDER, C. R. Experiments in the control of two greenhouse mealybugs, *Phenacoccus gossypii* T. & CKLL. and *Pseudococcus citri* Risso. Jour. Econ. Ent. 28(2): 405-410. April 1935.

NEISWANDER, R. B. Variations in seasonal prevalence of oriental fruit moth adults in peach and quince orchards. Jour. Econ. Ent. 28(2): 369-371. April 1935.

SILVER, E. A., and McCUEN, G. W. A study of power requirements and efficiency of threshing machines. Agr. Engin. 16(4): 137-141, 154. April 1935.

SLEESMAN, J. P. Ovicidal tests on certain dipterous eggs - with especial reference to the onion maggot, *Hylemyia antiqua* Meig. Jour. Econ. Ent. 28(2): 453-457. April 1935.

STRINGFIELD, G. H., and SALTER, R. M. Differential response of corn varieties to fertility levels and to seasons. Jour. Agr. Research [U. S.] 49(11): 991-1000. Dec. 1, 1934. (Coop. with U. S. Dept. Agr.)

Oregon

HOERNER, G. R., and SMITH, D. C. A new canker of hops in Oregon. Phytopathology 25(4): 437-439. April 1935 (Note)

POWERS, W. L. Soil-water movement as affected by confined air. Jour. Agr. Research [U. S.] 49(12): 1125-1133. Dec. 15, 1934.

SPRAGUE, R. *Ascochyta boltshauseri* on beans in Oregon. Phytopathology 25(4): 416-420. April 1935.

SPRAGUE, R. *Wojnowicia graminis* as a very weak, secondary parasite of winter cereal crops. Phytopathology 25(4): 405-415. April 1935. (Coop. with U. S. Dept. Agr.)

Pennsylvania

BRAMAN, W. W. [and others] The utilization of energy-producing nutrient and protein in white and yellow corn and in diets deficient in vitamins A, D, and G. Jour. Agr. Research [U. S.] 50(1): 1-37. Jan. 1, 1935.

FORBES, E. B. Balanced diets, net energy values and specific dynamic effects. Science n.s. 81(2099): 291-292. March 22, 1935. (Discussion)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Pennsylvania
(continued)

- FROST, S. W. 1934 notes on baits for oriental fruit moth. Jour. Econ. Ent. 28(2): 366-368. April 1935.
- GUERRANT, N. B., and DUTCHER, R. A. Changes in caudal bones of the rat as an index of ossification. Soc. Expt. Biol. and Med. Proc. 31(9): 1216-1218. June 1934.
- GUERRANT, N. B., and DUTCHER, R. A. Effect of type of carbohydrate on vitamins B and G potency of feces voided by rats. Soc. for Expt. Biol. and Med. Proc. 31(7): 796-800. April 1934.
- JACK, E. L., and BECHDEL, S. I. A study of the influence of thyroxin on milk secretion. Jour. Dairy Sci. 18(4): 195-206. April 1935.

Tennessee

- MACLEOD, T. E. [and others] The vitamin A content of five varieties of sweet-potato. Jour. Agr. Research [U. S.] 50(2): 181-187. Jan. 15, 1935.
- MARCOVITCH, S. Does laundering impair the efficiency of mothproofing with sodium fluosilicate? Jour. Econ. Ent. 28(2): 495-496. April 1935 (Note)

Utah

- KNOWLTON, G. F., and SMITH, C. F. Toads in the control of auto-camp insects. Jour. Econ. Ent. 28(2): 496. April 1935. (Note)

Virginia

- DEMNIS, W. (With C. BOLTON, Univ. Va.) Producing brain lesions in rats without opening the skull. Science n.s. 81(2099): 297-298. March 22, 1935. (Scientific apparatus and laboratory methods.)
- GROVES, A. B. Apple or cedar rust. Va. Fruit 23(4): 26-30. April 1935.
- HOUGH, W. S. Lead residues resulting from various spray schedules. Va. Fruit 23(4): 24-25. April 1935.
- SHEAR, G. M. The growth of *Agaricus campestris* on plots treated with sodium chlorate. Phytopathology 25(4): 440-442. April 1935. (Note)
- STARR, L. E. Calcium compounds in clinical medicine. North Amer. Vet. 15(11): 15-20. Nov. 1934.
- UNDERHILL, G. W. The pecan tree borer in dogwood. Jour. Econ. Ent. 28(2): 393-396. April 1935.
- UNDERHILL, G. W. The seventeen year locust in 1935. Va. Fruit 23(4): 25-26. April 1935.
- WOODSIDE, A. M. Chemically treated codling moth bands. Va. Fruit 23(4): 23-24. April 1935.

Washington

- HODGSON, R. E., KNOTT, J. C., GRAVES, R. R., and MURER, H. K. Effect of temperature of artificial drying on digestibility and availability of nutrients in pasture herbage. Jour. Agr. Research [U. S.] 50(2): 149-164. Jan. 15, 1935. (R. R. Graves, U. S. Dept. Agr.)

Wisconsin

- ALLEN, T. C. Applications of atomized oil sprays to certain truck crop insects. Jour. Econ. Ent. 28(2): 496. April 1935. (Note)
- BAUR, L., and LINK, K. P. The methylglycosides of the naturally occurring hexuronic acids. IX. Polygalacturonic acid-methylglycosides derived from Ehrlich's "Pektolsäure" and "Pektolactonsäure." Jour. Biol. Chem. 109(1): 293-299. April 1935.
- CHARLES, D. L., and SOMMER, H. H. Causes and practical methods for control of sedimentation in homogenized milk. Milk Plant Monthly 24(4): 26-27, 32. April 1935.
- FLUKE, C. L., jr., and RITCHER, P. O. Oak trees and the white grub menace. Science n.s. 81(2090): 71. Jan. 18, 1935. (Discussion)
- GRABER, L. F., and SPRAGUE, V. G. Cutting treatments of alfalfa in relation to infestations of leafhoppers. Ecology 16(1): 48-59. Jan. 1935.
- GREENE, H. C., and FRED, E. B. Maintenance of vigorous mold stock cultures. Indus. and Engin. Chem. 26(12): 1297-1299. Dec. 1934. (H. C. Greene, Univ. Wis.)
- LANGLYKKE, A. F., PETERSON, W. H., and MCCOY, E. Products from the fermentation of glucose and arabinose by butyric acid anaerobes. Jour. Bact. 29(4): 333-347. April 1935. (A. F. Langlykke, Univ. Wis.)
- MOPTENSON, W. P. Economic conditions in marketing fluid milk. Milk Plant Monthly 24(4): 38-41, 46. April 1935.
- ORCUTT, F. S., and WILSON, P. W. The effect of nitrate-nitrogen on the carbohydrate metabolism of inoculated soybeans. Soil Sci. 39(4): 289-296. April 1935. (F. S. Orcutt, Univ. Wis.)
- SEARLS, E. M. (With F. M. SNYDER, student in the Department) The control of some ectoparasites of laboratory rats by atomized pyrethrum extracts in oil. Jour. Econ. Ent. 28(2): 304-310. April 1935.
- STIRN, F. E., BLIVENJEM, C. A., and HART, E. B. The indispensability of zinc in the nutrition of the rat. Jour. Biol. Chem 109(1): 347-359. April 1935. (F. E. Stirn, Univ. Wis.)

-O-O-O-O-O-

"A system for subject reference files for scientific literature" by L. S. McClung and Elizabeth McCoy of the Department of Agricultural Bacteriology, University of Wisconsin, is contained in "Science" for May 10, 1935, p. 461. The system is intended for personal use. The authors state that the system may be applied with benefit for any field of science, either in listing current publications or as a basis upon which may be built a permanent bibliography for a particular field.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1935*

Alabama

Simple methods for measurement and calculation of field areas. J. B. Wilson and R. S. Duncan. (Ala. Poly. Inst. Ext. Pamphlet 6.) Auburn, 1934.

Arkansas

Permanent pastures. M. Nelson (Ark. Agr. Col. Ext. Circ. 334.) 524 Post Office Bldg., Little Rock, 1935.

California

Insects and other pests attacking agricultural crops. E. O. Essig and W. M. Hoskins. (Calif. Agr. Col. Ext. Circ. 87.) Berkeley, 1934.

Connecticut

Extent and relative importance of part-time farming. I. G. Davis. (Conn. State Col. Ext. Econ. Digest no. 59, p. 477-478.) Storrs, March 1935.

Georgia

Extension service report. 1934 eventful year in extension work. (Ga. Agr. Col. Ga. Ext. News v. 2, no.9.) Athens, March 1935.

Illinois

Fowl pox. R. Graham and E. H. Barger. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 430.) Urbana, 1935.

Pullorum disease of chicks. (Bacillary white diarrhea) R. Graham. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 432.) Urbana, 1935.

Iowa

Iowa farm economist. v. 1, no. 2. April 1935. Ames.

Kentucky

Docking and castrating lambs. R. C. Miller. (Ky. Agr. Col. Ext. Circ. 85, rev.) Lexington, 1935.

Tobacco project for 4-H clubs. E. J. Kinney. (Ky. Agr. Col. Ext. Circ. 86, 3d rev.) Lexington, 1935.

List of farm building plans. J. B. Kelley and E. G. Welch. (Ky. Agr. Col. Ext. Circ. 111, 3d rev.) Lexington, 1935.

Brooding chicks artificially. J. E. Humphrey and J. B. Kelley. (Ky. Agr. Col. Ext. Circ. 157, rev.) Lexington, 1935.

The Mexican bean beetle. W. A. Price. (Ky. Agr. Col. Ext. Circ. 257, rev.) Lexington, 1935.

Striped cucumber beetle. W. A. Price. (Ky. Agr. Col. Ext. Circ. 262, rev.) Lexington, 1935.

* Prepared in Office of Experiment Stations Library.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1935

Kentucky (continued)

- Pregnancy disease of sheep. F. E. Hull and W. W. Dimock. (Ky. Agr. Col. Ext. Circ. 274.) Lexington, 1935.
Profitable turkey management. J. H. Martin. (Ky. Agr. Col. Ext. Circ. 275.) Lexington, 1935.

Massachusetts

- Apple spray schedule for the home orchard. By the Departments of Pomology, Entomology and Botany. (Mass. State Col. Ext. Leaflet 100D, rev.) Amherst, 1935.

Michigan

- Fleas, bedbugs and human lice. E. I. McDaniel. (Mich. State Col. Ext. Bul. 144,) East Lansing, 1935.

Minnesota

- Pest control program for fruits in Minnesota. A. G. Ruggles and C. J. Eide. (Minn. Univ. Agr. Ext. Circ. 50.) University Farm, St. Paul, 1935.
Conservation program for 4-H clubs. P. Anderson. (Minn. Univ. Agr. Ext. Minn. Boys' and Girls' Clubs Bul. no. 19.) University Farm, St. Paul, 1935.
Grow more soybeans in Minnesota. A. C. Arny and R. E. Hodgson. (Minn. Univ. Agr. Ext. Spec. Bul. 134, rev.) University Farm, St. Paul, 1935.
Chopping hay for storage. A. J. Schwantes. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 36.) University Farm, St. Paul, March 15, 1935.
Checking construction of terraces. H. B. Roe. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter 37.) University Farm, St. Paul, April 15, 1935.
Agricultural adjustment and processing taxes. W. C. Waite. (Minn. Univ. Agr. Ext. Minn. Farm Business Notes no. 146, p. 1-3.) University Farm, St. Paul, Feb. 20, 1935.

Mimeographed

- Land use problems. O. B. Jesness. (Minn. Univ. Agr. Ext. Minn. Farm Business Notes no. 147, p. 1-3.) University Farm, St. Paul, March 20, 1935.

Mimeographed.

- Farm earnings and agricultural adjustments in southeastern Minnesota. G. A. Pond and W. P. Karner. (Minn. Univ. Agr. Ext. Minn. Farm Business Notes no. 148, p. 1-3.) University Farm, St. Paul, April 20, 1935.

Mimeographed.

Missouri

- Turkey production. B. Winton and E. M. Funk. (Mo. Agr. Col. Ext. Circ. 315.) Columbia, 1935.
Remodeling the square house. J. C. Wooley and F. Clark. (Mo. Agr. Col. Ext. Circ. 320.) Columbia, 1935.
Various grains and other corn substitutes as hog feeds. L. A. Weaver. (Mo. Agr. Col. Ext. Circ. 321.) Columbia, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1935

Missouri (continued)

- Using limestone on Missouri soils. I. P. Trotter and O. T. Coleman. (Mo. Agr. Col. Ext. Circ. 322.) Columbia, 1935.
Farm work mares and colts. E. A. Trowbridge and T. A. Ewing. (Mo. Agr. Col. Ext. Circ. 323.) Columbia, 1935.

Nebraska

- Fitting the farm saws. L. M. Roehl. (Nebr. Agr. Col. Ext. Circ. 745.) Lincoln, 1935.
A reprint of Cornell Ext. Bul. 94.

New Hampshire

- Orchard practice. G. F. Potter and others. (N. H. Univ. [Agr.] Ext. Bul. 47.) Durham, 1934.
The home packed lunch. E. E. Ellis. (N. H. Univ. [Agr.] Ext. Circ. 162.) Durham, 1934.
Relief gardens, New Hampshire, 1934. Report by J. C. Kendall. (N. H. Univ. [Agr.] Ext. Circ. 164.) Durham, 1935.
Top-grafting fruit trees. G. F. Potter and others. (N. H. Univ. [Agr.] Ext. Circ. 166.) Durham, 1935.

New York

- Varieties of vegetables for 1935. P. Work. (N. Y. Agr. Col. (Cornell) Ext. Bul. 317.) Ithaca, 1935.
Farm radio programs for April, May, June 1935. N. Y. Agr. Col. (Cornell) Ext. [unnumbered] Ithaca, [1935]

North Dakota

- Emergency feeding of the work horse. F. W. Christensen. (N. Dak. Agr. Col. Ext. Circ. 128.) State College Station, Fargo, 1935.

Oregon

- Walnut and filbert blight and insect pests and their control. P. W. Miller and B. G. Thompson. (Oreg. Agr. Col. Ext. Bul. 476.) Corvallis, 1935.
Preparation of Bordeaux mixture. R. H. Robinson. (Oreg. Agr. Col. Ext. Bul. 477.) Corvallis, 1935.

South Dakota

- Dinners that satisfy. S. Z. Wilder. (S. Dak. State Col. Ext. Circ. 349.) Brookings, 1935.
Extension serves South Dakota. (S. Dak. State Col. Spec. Ext. Circ. 42.) Brookings, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1935
(Continued)

Texas

Home tanning of leather. M. K. Thornton. (Tex. Agr. Col. Ext. [Bul.] B-86.) College Station, 1935.
Now is the time to repair the house. B. Claytor. (Tex. Agr. Col. Ext. [Circ.] C-102.) College Station, 1935.

Utah

Tree planting on Utah farms. P. M. Dunn. (Utah Agr. Col. Ext. Circ. 68, New Ser.) Logan, 1935.

Virginia

Extension work in agriculture and home economics in 1934. J. R. Hutcheson. (Va. Agr. Col. Ext. Bul. 137.) Blacksburg, 1935.

Washington

Home gardens. J. C. Snyder. (Wash. State Col. Ext. Bul. 202.) Pullman, 1935.

West Virginia

Artistic home crafts. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. Lesson no. 6, Adventures in Better Living.) Morgantown, [1935?]

Wisconsin

Potato growing in Wisconsin. J. G. Milward and J. W. Brann. (Wis. Agr. Col. Ext. Circ. 273.) Madison, 1935.
Evaporated milk: An outlet for Wisconsin milk. W. P. Mortenson and D. S. Anderson. (Wis. Agr. Col. Ext. Econ. Inform. for Wis. Farmers v. 6, no. 2.) Madison, Feb. 1935.

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QUERY

Information is desired regarding a paper by Dr. William B. Alwood on the artificial pollination of wheat. The paper was read before the Biological Society of Washington on June 2, 1888, and has appeared in print but was not published in the Proceedings of that society. Any one having information in regard to the paper will confer a favor by notifying the Librarian of the U. S. Department of Agriculture.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during April 1935, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Common ground. Address of Secretary Henry A. Wallace before the Bowdoin institute of politics, Brunswick, Maine, April 17, 1935. 13 p.

The cotton program carries on. Address of Secretary Henry A. Wallace at Atlanta, Georgia, April 13, 1935. 19 p.

A joint interest. Radio talk by Henry A. Wallace, April 18, 1935. 7 p.

The land utilization program as it affects wildlife. A radio address by Henry A. Wallace to the thirteenth annual convention of the Izaak Walton league of America in Chicago, Ill., broadcast from Washington, D. C., during the National farm and home hour conservation day program, April 12, 1935. 5 p.

The question before the wheat farmer. Address by M. L. Wilson before a State conference of county wheat production control association representatives and Extension workers at University farm, St. Paul, Minn., April 22, 1935. 16 p.

A third economy. An address by Dr. R. G. Tugwell before the Rochester teachers' association, Rochester, N. Y. April 9, 1935. 17 p.

Thomas Jefferson: practical idealist. Address by Henry A. Wallace before the Jeffersonian union, Atlanta, Georgia, April 13, 1935. 21 p.

What sort of cooperative movement do American farmers want? 1935. 5 p.
Discussion group topic no. 10.

Agricultural Adjustment Administration

Can the farmer produce freely while industry plows up? 1935. 16 p. (Issued by Division of information)

Instructional material related to flue-cured tobacco in terms of the production adjustment program. 1935. 37 p.

The livestock situation; its present and future. Statement by Gerald B. Thorne before 23rd annual feeders day meeting, College of Agriculture, Lincoln, Nebraska, April 18, 1935. 10 p.

Suggested guide for conducting wheat discussions. 1935. 2 p.

*Bibliographies included in general list of bibliographies on page 165-6.

**For a list of the principal series issued regularly, see v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Bureau of Agricultural Economics

- Amendments to the official grain standards of the United States. Promulgated March 28, 1935. Effective July 1, 1935. 16 p.
- Average prices received by farmers for farm products: Feb. 15, 1935, with comparisons. 1935. 12 p. (Issued by Crop reporting board)
- Brief summary, marketing western New York celery, season 1934-1935. 1935. 4 p. (Issued in cooperation with New York State Department of Agriculture and markets)
- Cabbage; a review on marketing western and central New York cabbage for the season 1934-35. 1935. 10 p. (Issued in cooperation with New York State Department of agriculture)
- The drought situation, April 1935. 9 p.
- Estimates of cash income from farm marketings, monthly, 1934-34. Prepared by C. M. Purves for the Farm income committee. 1935. 13 p.
- General review Wisconsin potato season 1934-35. 10 p. (Issued in cooperation with Wisconsin Dept. of agriculture and markets)
- Marketing California potatoes; summary of 1934 season. 1935. 17 p. (Issued in cooperation with California Department of agriculture, Market news service)
- Marketing Colorado lettuce, cauliflower, green peas and cabbage; summary of 1934 season, by Bryce Morris. 1935. 23 p.
- Marketing Michigan apples, 1934-35 season. 1935. 5 p.
- Marketing Michigan onions, 1934-35 season. 1935. 7 p. (Issued in cooperation with Michigan Department of agriculture, Bureau of foods and standards)
- Marketing western and central New York state lettuce. Summary of the 1934 season, by A. L. Thomas. 1935. 17 p. (Issued in cooperation with the New York State Department of agriculture and markets, Bureau of markets)
- Official standards for peas. Effective June 10, 1935. 1935. 1 p. (WFS-1624)
- Poultry estimates. Chickens on farms, January 1, 1925-1935. Chickens produced, consumed on farms and sold, 1925-1934. Hens and pullets in farm flocks, 1925-35. Eggs produced, consumed on farms and sold, 1925-34. 1935. 42 p.
- Production and carry-over of fruit and vegetable containers for the year 1934. 1935. 9 p. (Issued by Division of fruits and vegetables)

SELECTED LIST OF MINEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics

(Continued)

- A review of the 1935 Arizona spring lettuce season, by A. E. Prugh. 1935. 3 p. (Issued in cooperation with Arizona fruit and vegetable standardization service)
- Summary 1935 celery season. 1935. 4 p. (Issued in cooperation with Florida state marketing bureau)
- Summary 1935 strawberry season. By R. Maynard Peterson. 1935. 4 p. (Issued in cooperation with Florida State marketing bureau)
- Summary report quality of the 1934 corn crop based on inspected receipts at representative markets Dec. 1, 1934, to March 31, 1935. 1935. 3 p.
- Tax delinquency of rural real estate in four Colorado counties, 1928-33. 1935. 13 p.
- Tax delinquency of rural real estate in four Utah counties, 1928-33. 1935. 11 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in six Maryland counties, 1928-33. 1935. 12 p.
- Tax delinquency of rural real estate in 16 Indiana counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 31 Alabama counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)
- Tentative standards for grades of slaughter lambs. 1935. 9 p. (Issued by Livestock, meats and wool division)
- Tentative U. S. standards for grades of canned red sour pitted cherries (water pack) 1935. 7 p.
- United States grain standards act of Aug. 11, 1916 (39 U. S. statutes at large, p. 482) (U. S. code, title 7, chapter 3, sections 71-87) and regulations of the Secretary of agriculture, promulgated April 2, 1935; effective July 1, 1935. 1935. 30 p. (Issued by Grain division)
- U. S. standards for topped turnips or rutabagas (effective April 15, 1935) 1935. 4 p.
- Use of the official cotton standards of the United States (in sales to domestic mills) By J. W. Wright. A preliminary report. 1934. 22 p. (Issued by Division of cotton marketing)
- The world cotton outlook, by Hils A. Olson. Address, Annual meeting, Association of Southern agricultural workers, Atlanta, Ga., Jan. 31, 1935. 13 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Bureau of Animal Industry

Committee reports adopted by Conference on cooperative meat investigations held at Chicago, Ill., Aug. 13-15, 1934. 1935. 36 p. (Issued by Animal husbandry division)

Rabies; the prophylactic vaccination of dogs against rabies with the one-injection method. By H. W. Schoening. 1935. 3 p. (Issued by Pathological division)

Stallion enrollment and the horse-breeding situation. By S. R. Speelman. 1935. 25 p. (Issued by Animal husbandry division)

Bureau of Biological Survey

The future of migratory waterfowl. An address by J. N. Darling delivered at the 13th annual convention of the Izaak Walton league of America, in Chicago, April 12, 1935. 7 p.

Instructions for controlling bats. 1935. 1 p. (Wildlife research and management leaflet BS-7) (Issued by Division of game management, Section of predatory animal and rodent control)

Tularemia, an animal borne disease. By W. B. Bell and J. E. Shillinger. 1935. 3 p. (Wildlife research and management leaflet BS-5)

Bureau of Dairy Industry

Points on operation of incubators in Swiss-cheese factories. By R. E. Hardell. 1935. 5 p. (BDIM-660)

Bureau of Entomology and Plant Quarantine

A camera stand for insect photography. By Elmer T. Jones. 1935. 1 p. (ET-42) (Issued by Division of cereal and forage insects)

A device for the automatic spraying of apples in the laboratory. By R. F. Sazama and F. H. Lathrop. 1935. 1 p. (ET-44) (Issued by Division of fruit insect investigations)

An inexpensive and easily built hotbed heating unit. By Elmer T. Jones. 1935. 1 p. (ET-43) (Issued by Division of cereal and forage insects)

Rearling box for small insects. By H. R. Painter. 1935. 1 p. (ET-40)
(Issued by Division of cereal and forage insect investigations)

Extension Service

Group discussion and the problems of farm young people. By Eugene Merritt. 1935. 15 p. (Extension service circular 212)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Forest Service

Suggestions for forestry and tree planting programs for use of four-H club, boy scout, school and arbor day meetings, and other assemblies. 1935. 21 p.

Bureau of Plant Industry

Influence of nitrogen fertilizers on the reaction of Greenville sandy loam soil, by Rulon D. Lewis and Earl D. Fowler. 1935. 5 p. (Issued by Soil fertility investigations)

Soils and fertilizers for pecans in the southeastern United States. By Earl D. Fowler and Rulon D. Lewis. 1935. 16 p. (Issued by Soil fertility investigations)

The tung tree. By H. L. Crane and Robert A. Young. 1935. 6 p. (Issued by Division of fruit and vegetable crops and diseases and Division of plant exploration and introduction) Revision of the mimeograph circular, The Chinese tung-oil tree, by the junior author, issued Jan. 8, 1931.

Turnips and rutabagas. By E. V. Hardenburg. Revised March 1935. 4 p. (Issued by Division of fruit and vegetable crops and diseases)

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LOST BOOKS

The following books cannot be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main library (Tel. Branch 327; Room 1044).

Ecological monographs. v. 3, 1933.

Empire Forestry journal. v. 12, no. 2. 1933.

Pharmaceutical journal and transactions. ser. 3, v. 12. 1882.

Pycraft, William P. History of birds. 1910.

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OFFERS

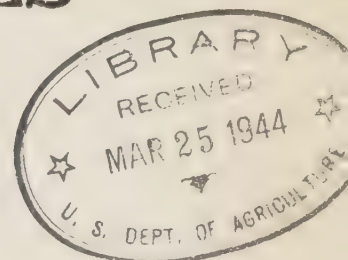
The Library of the U. S. Department of Agriculture has for exchange copies of the following works:

- Barker, A. F. The prospective development of Peru as a sheep-breeding and wool-growing country. Leeds, Eng., 1927.
- Boerger, Alberto. Observaciones sobre agricultura, quince años de trabajos fitotécnicos en el Uruguay. Montevideo, 1928.
- Brazil. Ministerio da agricultura. Serviço da inspecção e fomento agrícolas. A fructicultura no Brasil. Rio de Janeiro, 1931.
- Ceskoslovenské akademie zemědělské. Československé zemědělství se zřetelom k jeho vědeckým základům. L'agriculture Tchécoslovaque par rapport à ses bases scientifiques. Praha, 1928.
- Congresso nazionale di microbiologia. 4th, Milano, 1932. Atti, 1932.
- Dalgado, D. G. Flora de Goa e Savantvadi, catalogo methodico das plantas medicinaes, alimentares e industriaes. Lisboa, 1898.
- Delevoij, G. La question forestière au Katanga. T. 1-3. 1928-29.
- Das Deutsche reich in gesundheitlicher und demographischer beziehung. Festschrift, den teilnehmern am XIV. Internationalen Kongresse für hygiene und demographie, Berlin 1907. Berlin, 1907.
- Frost, J. Die Holländische landwirtschaft. Berlin, 1930.
- Gide, Charles. Consumers' co-operative societies. Manchester, 1921. Translated from the French.
- Guzman, J., and Guzman, R. Bibliografia de la reforma, la intervencion y el imperio. tomo. 1. 1930. (Monografias bibliograficas Mexicanas, no. 17)
- Hannah dairy research institute Hannah dairy research institute, its origin and work. Glasgow, 1931. (2 copies)
- Internationale circumpacifische onderzoek-commissie. Science in the Netherlands East Indies. Amsterdam, 1929.
- Krische, Paul. Die untersuchung und benützung von düngemitteln, futtermitteln, saatwaren und bodenproben. 2d ed. Berlin, 1929.
- Meuleman, E. Le demi-sang en Irlande, hunters, hacks et troupiers. Paris, 1910.
- Percher, Ch. La méthode synthétique dans l'étude du lait. Le lait au point de vue colloïdal. Lyon, 1929?
- Ratner, G. Agricultural co-operation in the Soviet Union. Translator: M. Digby. London, 1929.
- Shantz, H. L., and Merbut, C. F. The vegetation and soils of Africa. New York, 1923. (American geographical society, Research series, no. 13)
- Spöttel, W. Über variabilität, korrelative beziehungen und vererbung der haarfeinheit bei schafen. Leipzig, 1925. (Bibliotheca genetica. bd. 7)
- Vilmorin, Philippe L. de. Hortus Vilmorinianus. 1906.

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AGRICULTURAL LIBRARY NOTES

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No. 6

PRINCIPAL LIBRARY ACCESSIONS

Agriculture

- GIFFORD, J. C. The tropical subsistence homestead; diversified tree crops in forest formation for the Antillean area. New York, Books, 1934.
- MUENSCHER, W. C. L. Weeds. New York, Macmillan, 1935.

Alcoholic liquors

- HERSTEIN, K. M., and GREGORY, T. C. Chemistry and technology of wines and liquors. New York, Van Nostrand, 1935.
- HIRSCH, IRVING. Manufacture of whiskey, brandy and cordials. Newark, N.J., Sherman eng'r'g. co., 1934. Lithographed.

Botany

- FAES, HENRI, and others. Les ennemis des plantes cultivées. Publié par l'Association suisse des professeurs d'agriculture. Lausanne, Payot, 1934.
- NOTGEMEINSCHAFT DER DEUTSCHEN WISSENSCHAFT. Untersuchungen über den stoffwechsel der pflanzen. II. Mitteilung. Berlin, 1934. (Deutsche forschung hft. 23)
- RIEK, REINHOLD. Systematische und pflanzengeographische untersuchungen in der Veronica-sektion Chamaedrys Griseb. Dahlem bei Berlin, 1935. (Repertorium specierum novarum regni vegetabilis. . Hrsg. von Friedrich Fedde. Beihefte. bd. 79)

Chemistry

- GROGGINS, P. H., ed. Unit processes in organic synthesis. New York, McGraw-Hill, 1935.

Directories

- DIRECTORY of organizations in the engineering profession, January, 1935. Washington, 1935. Issued by American engineering council, Engineering foundation, and Engineer's council for professional development. Multi-graphied.

Domestic animals. Veterinary medicine

- AMERICAN THOROUGHBRED BREEDERS ASSOCIATION. Thoroughbred pedigrees, 1934. Lexington, Ky., 1935.
- INTERNATIONAL INSTITUTE OF AGRICULTURE. BUREAU OF AGRICULTURAL SCIENCE. Le contrôle des vaches laitières dans le monde. Rome, 1935.
- ROBERTS, DAVID. Practical home veterinarian. Ed. 21. Waukesha, Wis., Dr. David Roberts' veterinary co., 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Drawing

MUELLER, J. F. A manual of drawing for science students. New York, Farrar & Rinehart, 1935.

Dust

BLACKTIN, S. C. Dust. Cleveland, Ohio, Sherwood, 1934.

Economics

- BOHN, FRANK, and ELY, R. T. The great change; work and wealth in the new age. New York, Nelson, 1935.
- COBB, J. C. The application of scientific methods to sociology. Boston, Chapman & Grimes, 1934.
- COLE, G. D. H. Some relations between political and economic theory. London, Macmillan, 1934.
- ECONOMIC essays in honor of Wesley Clair Mitchell, presented to him by his former students on the occasion of his sixtieth birthday. New York, Columbia university press, 1935.
- FOREMAN, CLARK, and ROSS, MICHAEL. The consumer seeks a way. New York, Norton, 1935.
- INDIANA, STATE COMMITTEE ON GOVERNMENTAL ECONOMY. Report. Indianapolis, 1935.
- INTERNATIONAL WOOL CONFERENCE. 10th, Rome, 1934. Xème Conférence lainière internationale. Edité par l'Associazione fascista dell'industria laniera italiana. Rome, 1935. Also English translation.
- KONFERENZ DER VERTRETER VON HANDEL UND INDUSTRIE ESTLANDS, LETTLANDS UND LITAUENS. 5th, Tallinn, 1934. Protokolle und referate. Tallinn, 1934.
- LASKI, H. J. Democracy in crisis. Chapel Hill, University of North Carolina press, 1935.
- NATIONAL INDUSTRIAL CONFERENCE BOARD. A statistical survey of public opinion regarding current economic and social problems as reported by newspaper editors in August and September, 1934. Final report. New York, 1934. (Studies no. 205)
- PARETO, V. F. D. The mind and society. Ed. by Arthur Livingston. Translated by Andrew Bongiorno and Arthur Livingston. New York, Harcourt, Brace, 1935.
- PERSONS, W. M. Government experimentation in business. New York, Wiley, 1934.
- ROOSE, C. F. Dynamic economics. Bloomington, Ind., Principia, 1934. (Monographs of the Cowles commission for research in economics, no. 1)
- SLICHTER, S. H. Towards stability; the problem of economic balance. New York, Holt, 1934.
- TUGWELL, R. G. The battle for democracy. New York, Columbia university press, 1935.
- TUGWELL, R. G., and KEYSERLING, L. H. ed. Redirecting education. v. 1. New York, Columbia university press, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Economics, Agricultural

- BRACKEN, JOHN. The rehabilitation of the drought area. Winnipeg, Manitoba Dept. of agriculture, 1934.
- CAULEY, T. J. Agrarianism, a program for farmers. Chapel Hill, University of North Carolina press, 1935.
- HAAACK, WILHELM. Der tabakanbau in den staeten des Mittelmeerraumes. Köln, Schroeder [1934?]
- MIXED ADVISORY AGRICULTURAL COMMITTEE. Report. Rome, International institute of agriculture, 1932.
- PUERTO RICO. DEPT. OF EDUCATION. Rural life in Puerto Rico. San Juan [1934?] (Bulletin no. 1, Research series. Whole no. 125)
- RURAL RECONSTRUCTION ASSOCIATION. The agricultural policy. Beaconsfield, Eng., 1935.
- SIMPSON, E. N. The Mexican agrarian reform, problems and progress. [n.p.] Institute of current world affairs, Mexico, 1933. (Agricultural studies, series 1, no. 9)
- WILSON, C. M. Backwoods America. Chapel Hill, University of North Carolina press, 1935.

Education

- MAINE. PUBLIC SCHOOL FINANCE COMMISSION. The financing of the public schools of Maine. Report of a survey of state and local support of public schools. Augusta, 1934.

Engineering

- BORMANN, H. H. Bridges. New York, Macmillan, 1934.
- INSTITUTION OF STRUCTURAL ENGINEERS. Report on the treatment of welded structures by the metallic arc process. London, 1934. (Technical reports no. 19)

Fertilizers

- BARKER, A. S. The use of fertilizers. A guide to the manuring of crops in Great Britain. London, Oxford university press, 1935.

Finance, Farm credit

- AMERICAN INSTITUTE OF BANKING. Farm credit administration. New York city, 1934.
- BAER, J. B., and WOODRUFF, G. P. Commodity exchanges. Ed. 3. New York, Harper, 1935.
- CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA, Washington, D. C. The proposed "Banking act of 1935." Analysis of title II and summary of other provisions. Washington, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Finance, Farm Credit (Continued)

- MICHIGAN. LAWS, STATUTES, etc. Laws relating to banking. Lansing, Secretary of state, 1934.
- MISES, L., edler von. The theory of money and credit. Tr. from the German by H. E. Batson. New York, Harcourt, Brace, 1935.
- RAUTENSTRAUCH, WALTER. Who gets the money? How the people's money is distributed, New York, Harper, 1934.

Forestry

- MATTHEWS, D. M. Management of American forests. New York, McGraw-Hill, 1935.
- WOOD, R. G. A history of lumbering in Maine, 1820-1861. Orono, Me., 1935.
(University of Maine studies. 2d series. no. 33)

Fur trade

- CHITTENDEN, H. M. The American fur trade of the far West. New York, Press of the pioneers, 1935.

Government Research

- JAY, C. A. County reorganization in Texas. Dallas, 1934. (Arnold foundation studies in public affairs. v. 2, no. 3, winter 1934)
- PIERCE CO., WASH. TAXATION BUREAU. Analysis of Pierce county government. Tacoma, Wash., 1934. Mimeographed.
- SORRELL, V. G., and STUART, J. R. County consolidation in New Mexico. Albuquerque, 1934. (University of New Mexico. Bulletin. Economics series. v.2, no. 2, whole no. 255)

History

- CLAXTON, W. J. A brief sketch of agricultural and commercial history. London, Macmillan, 1934.
- COLE, A. C. The irrepressible conflict, 1850-1865. New York, Macmillan, 1934. (History of American life. v.7)
- FAULKNER, H. U. The quest for social justice, 1898-1914. New York, Macmillan, 1931. (History of American life. v. 11)
- NORMAN, J. F. Brazil: a study of economic types. Chapel Hill, University of North Carolina press, 1935.
- RICHARDSON, R. N., and RISTER, C. C. The greater southwest. Glendale, Calif., A. H. Clark, 1935.
- SCHAFER, JOSEPH. The Wisconsin lead region. Madison, State historical society of Wisconsin, 1932. (Wisconsin Domesday book. General studies, vol. 3)
- SCHLESINGER, A. M. The rise of the city, 1878-1898. New York, Macmillan, 1933. (History of American life. v. 10)

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Horticulture

AZALEA AND CAMELLIA SOCIETY OF AMERICA. Year book. 1933. [n.p.] 1933.
DOUBLEDAY GARDEN HANDBOOKS. no. 1-9. Garden City, N. Y., Doubleday, Doran,
1935. Contents. - no. 1. Barron, Leonard. Gardening for the small place. -
no. 2. Stiles, E. C. Rock gardening for the small place. - no. 3. Long-
year, William. How to make garden pools. - no. 4. Carhart, A. H. How to
plan the home landscape. - no. 5. Norton, Claire. How to grow spring
flowers from bulbs. - no. 6. Carhart, A. H. Trees and shrubs for the
small place. - no. 7. Ries, V. H. How to grow annual flowers. - no. 8.
Quint, I. G. How to grow lilies in the garden. - no. 9. Leonian, L. H.
How to grow delphiniums.

Maps

THE LITERARY DIGEST new map of Soviet Russia, including Japan, Manchukuo,
northern China and western Europe. Complete with 48-page Hand book and
index. New York, Funk & Wagnalls, 1935.

Marketing

CANADA. DOMINION MARKETING BOARD. Background of the Natural products market-
ing act, 1934, and schemes approved under the act. [Ottawa?] 1935.
CONVERSE, P. D. The elements of marketing. New York, Prentice-Hall, 1935.
SHEPHERD, GEOFFREY, and SHEPHERD, E. M. Marketing corn belt products. Ames,
Ia., 1935. Lithographed.

Mathematics

BELL, W. H. Accountants' reports. Ed. 3. New York, Ronald. 1934.
----- Auditing. New York, Prentice-Hall, 1935.
KESTER, R. B. Accounting theory and practice. Ed. 3. New York, Ronald,
1921-35.
MONTGOMERY, R. H. Auditing, theory and practice. Ed. 5. New York, Ronald,
1934.
SOKOLNIKOFF, I. S., and SOKOLNIKOFF, E. S. Higher mathematics for engineers
and physicists. New York, McGraw-Hill, 1934.

Medicine, Hygiene

CECIL, R. L., ed. A text-book of medicine by American authors. Philadelphia,
Saunders, 1934.
ORMSBY, O. S. A practical treatise on diseases of the skin. Ed. 4. Philadelphia,
Lea & Febiger, 1934.
PHILLIPS, M. C. Skin deep; the truth about beauty aids - safe and harmful.
New York, Vanguard, 1934.
TODD, J. C., and SANFORD, A. H. Clinical diagnosis by laboratory methods.
Ed. 7. Philadelphia, Saunders, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

"New deal"

- ATKINS, W. E., FRIEDRICH, A. A., and WYCKOFF, VIOLA. Economic problems of the new deal, New York, Crofts, 1934.
- CLAIRE, G. S. Administocracy: the recovery laws and their enforcement. New York, Macmillan, 1934.
- LYON, L. S., and others. The National recovery administration. Washington, Brookings institution, 1935. (Institute of economics of the Brookings institution. Publication no. 60)
- STOLBERG, BENJAMIN and VINTON, W. J. The economic consequences of the new deal. New York, Harcourt, Brace, 1935.

Roads, Transportation

- HARRISON, H. H., and PREIST, T. P. Automatic street traffic signalling (apparatus and methods) London, Pitman, 1934.
- LOS ANGELES CO., CALIF. REGIONAL PLANNING COMMISSION. Report of a highway traffic survey in the county of Los Angeles. Los Angeles, 1934.
- NATIONAL HIGHWAY USERS CONFERENCE, WASHINGTON, D. C. Highway source book, 1935. Washington, 1935.
- WOHL, PAUL, and ALBITRECCIA, A. Road and rail in forty countries; report prepared for the International chamber of commerce, London, Oxford university press, 1935.

Statistics

- CANADA. BUREAU OF STATISTICS. EXTERNAL TRADE BRANCH. Trade between Canada and Austria, calendar years 1933 to 1934, with historical summary. Ottawa, 1935. Mimeographed.
- EAST INDIES (DUTCH) DEPARTMENT VAN ECONOMISCHE ZAKEN. Landbouwstatistiekkaart van Java en Madoera. Batavia, 1934.
- EGYPT. MINISTRY OF AGRICULTURE. Agricultural census of Egypt, 1929. Cairo, 1934.
- SWITZERLAND. ZOLLDEPARTEMENT. Statistique du commerce suisse. Notice commémorative, 1885-1934. Berne [1935?]

Stone

- BOWLES, OLIVER. The stone industries. New York, McGraw-Hill, 1934.

Surveying

- PICKELS, GEORGE, and WILEY, C. C. Route surveying. New York, Wiley, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Taxation

- BREWSTER, KINGMAN, IVINS, J. S. Y., and PHILLIPS, P. W. Taxation under the A.A.A. (Agricultural adjustment administration) New York, Baker, Voorhis, 1934.
- LOGAN, E. B. Taxation of real property in Pennsylvania. [n.p.] 1934. Mimeographed.
- NELSON, C. L., BLAKEY, G. C., and BLAKEY, R. G. Sales taxes. Minneapolis, 1935. (League of Minnesota municipalities. Publication 48)
- TREANOR, G. R., and BLAKEY, R. G. Inheritance taxes. Minneapolis, 1935. (League of Minnesota municipalities. Publication 47)

Unemployment and economic planning

- BURN, BRUNO. Codes, cartels, national planning. New York, McGraw-Hill, 1934.
- HILL, H. D. Foreign trade and the worker's job. Boston, World peace foundation, 1935. (Popular pamphlets on world problems. no. 1)
- INTERNATIONAL INDUSTRIAL RELATIONS INSTITUTE. IRI broadcasts on social economic planning, by Mary L. Fledderus, and others. Arranged by Joseph George Strack. New York, 1934. Mimeographed.
- INTERNATIONAL LABOR OFFICE, GENEVA. Public works policy. Geneva, 1935. (Studies and reports. Series C (Employment and unemployment) no. 19)
- MICHIGAN, STATE PLANNING COMMISSION. A study of Michigan; a progress report on an inventory of its resources. Lansing, 1935. Mimeographed.
- NATIONAL INDUSTRIAL CONFERENCE BOARD. Profit sharing by H. F. Browne. New York city, 1935.
- NATIONAL INDUSTRIAL CONFERENCE BOARD. Salary and wage policy, 1933-1934, by H. F. Browne. New York city, 1935. (Studies no. 212)
- NATIONAL INDUSTRIAL CONFERENCE BOARD. Unemployment insurance; lessons from British experience. New York, 1934.
- PLANNING for employment. A preliminary study by some members of Parliament. London, Macmillan, 1935.
- PUERTO RICO. LEGISLATURE. Concurrent resolution setting forth to the President and the Congress of the United States of America the economic and social evils confronting the people of Puerto Rico and pointing out specific recommendations for a complete economic-social rehabilitation of the island. San Juan, P. R., Bureau of supplies, printing and transportation, 1935.
- RUSSELL SAGE FOUNDATION. CHARITY ORGANIZATION DEPT. Looking toward a public welfare plan, comp. by R. H. Kurtz. New York city, 1935. Mimeographed.

Zoology

- BROLEMAN, H. W. Myriapodes diplopodes (chilognathes I). v.1. Paris, Lechevalier 1935. (Fédération française des sociétés de sciences naturelles. Office central de faunistique. Faune de France, t. 29)
- KOFOID, C. A. Termites and termite control. Ed. 2. Berkeley, University of California press, 1934.

PRINCIPAL LIBRARY ACCESSIONS

Zoology (Continued)

- LUTZ, F. E. Field book of insects of the United States and Canada. New York, Putnam, 1935.
- PRATT, H. S. A manual of the common invertebrate animals exclusive of insects. Revised ed. Philadelphia, Blakiston, 1935.

Theses

- BAREN, F. A. van. Het voorkomen en de betekenis van kali-houdende mineralen in Nederlandse gronden. Wageningen, 1934. Proefschrift. Landbouwhoogeschool, Wageningen.
- BEEK, ARNOLD. Brucella-infekties bij slagers. Amsterdam [1933?] Proefschrift. Utrecht.
- DIEREN, J. W. van. Organogene dünenbildung; eine geomorphologische analyse der dünenlandschaft der West-Friesischen insel Terschelling mit pflanzensoziologischen methoden. 's-Gravenhage, 1934. Proefschrift. Amsterdam.
- GRÜSSNER, ANDREAS. Beiträge zur kenntnis des furans. Synthese der l-ascorbinsäure (vitamin C) und verwandten verbindungen. Budapest, 1934. Promotionsarbeit. Eidg.tech.hochschule, Zürich.
- LABEL, L. W. M. Lepra bubalorum. Utrecht, 1934. Proefschrift. Utrecht.
- LUCKE, J. B. A study of Barnegat inlet, New Jersey, and related shoreline phenomena. [n.p.] 1934. Diss. (PH.D) Princeton university, 1933?
- SCHOLZ, CAESAR. Zur konstitution des yohimbins und einiger abbauprodukte. Weida i. Thür., 1934. Promotionsarbeit. Eidg.tech.hochschule, Zürich.
- SCHOORL, PIETER. Natriumgebrek bij ratten. Deventer, 1934. Proefschrift. Landbouwhoogeschool, Wageningen.
- VOET, JEANNETTE. Een onderzoek naar de waarde van enkele vitamine-D preparaten voor kuikens en tevens naar de mogelijkheid vitamine-D preparaten door middel van kuikens te standaardiseeren. Utrecht [1934?] Proefschrift. Utrecht.

-o-o-o-O-o-o-o-

CONGRESSES

- International congress for the scientific investigation of population problems in Berlin from August 26 to September 1, 1935. The scientific matter will be treated in four general assemblies and numerous section sittings. The sections include: 1. Population statistics; 2. Population biology and race hygiene; 3. Social, economical, and psychological population problems; 4. Medicine and hygiene. Business office: Berlin W. 62, Einemstrasse 11.
- XIth International horticultural congress, 16-21 September 1935, Rome. Executive committee: International Federation of Technical Agriculturists, Via Vittorio Veneto 7, Rome.
- International housing congress, Prague, 23-26 June 1935, and Study-Tour through Czecho-Slovakia, 27-30 June 1935. General Secretary, Prof. Franz Schuster, International Housing Association, Frankfort a.M., HansapAllee 27.

-o-o-o-O-o-o-o-

BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Culver, Dorothy C., comp. Land utilization: a bibliography. Berkeley, University of California, Bureau of public administration, 1935. 222 p. Mimeographed.
- Doctoral dissertations accepted by American universities. no. 1; 1933/34. Compiled for the National research council and the American council of learned societies by the Association of research libraries, ed. by Donald B. Gilchrist. New York, H. W. Wilson, 1934.
- Higgins, M. V. Canadian government publications. Chicago, American library association, 1935. 582p. Planographed.
- National resources board. Bibliography of State planning reports in the Library of the National Resources Board. (Preliminary) Circ. VI, May 19, 1935. 25 p. Mimeographed.
- Russell, Sir E. J. Books and the farmer. An address delivered at the Tenth annual conference of the Association of special libraries and information bureaux. London, Association of special libraries and information bureaux, 1933. 16 p.

U. S. Department of Agriculture

Bureau of Agricultural Economics.

A list of 81 contributions from members of the Division of cotton marketing and its cooperators on subjects relating to cotton fiber, ginning and spinning studies released to the public during the fiscal years 1927-1934. 1935. Mimeographed.

Printed publications issued by the Bureau of agricultural economics. May 1935. 22 p. (Issued by Division of economic information) Mimeographed.

Publications helpful in building and remodeling farm structures. 1935. 2 p. (Information series no. 68) (Issued by Division of plans and service) Mimeographed.

Bureau of Biological Survey.

Publications on attracting birds. Prepared in the Section of food habits, Division of wildlife research. 1935. 4 p. (Wildlife research and management leaflet BS-8) Mimeographed.

Bureau of Entomology and Plant Quarantine.

A list of organic sulphur compounds (exclusive of mothproofing materials) used as insecticides. By R. C. Roark and R. L. Busbey. 1935. 104 p. (E-344) (Issued by Division of insecticide investigations) Mimeographed.

A list of United States patents issued from 1917 to 1933, inclusive, relating to apparatus for destroying smut on grain. Compiled by R. C. Roark. 1935. 12 p. (Patent list no. 45) (Issued by Insecticide division)

A list of United States patents issued from 1917 to 1933, inclusive, relating to mothproof garment bags and chests and other devices for combatting clothes moths. Compiled by R. C. Roark. 1935. 20 p. (Patent list no. 46) (Issued by Insecticide division) Mimeographed.

A list of United States patents issued from 1917 to 1933, inclusive, relating to screens for protecting man, plants, and foods from insects. Compiled by R. C. Roark. 1935. 6 p. (Patent list no. 47) (Issued by Insecticide division) Mimeographed.

References to the use of ethylene oxide for pest control. By H.D. Young and R. L. Busbey. 1935. 16 p. Mimeographed.

BIBLIOGRAPHIES AND LISTS

U. S. Department of Agriculture (Continued)

Extension Service.

Beds and bedding; a selected list of references. 1935. 4p. (Miscellaneous extension publication no. 18) Mimeographed.

Landscaping and floriculture. A selected list of references compiled by E. J. Webb. 1935. 17 p. (Miscellaneous extension publication no. 17) Mimeographed.

References to a few press articles and books relating to adolescence. For the use of 4-H Club leaders, by Edith L. Allen. 1935. 8 p. (Issued by Office of cooperative extension work) Mimeographed.

References to a few press articles and books relating to child development. For the use of Home demonstration leaders and specialists, by Edith L. Allen. 1935. 18 p. (Issued by Division of cooperative extension) Mimeographed.

Notes and references to a few press articles and publications. For the use of Extension clothing specialists - no. 5, by Edith L. Allen. 1935. 4 p. (Issued by Division of cooperative extension) Mimeographed.

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NOTES ON PERIODICALS

Archief voor de suikerindustrie in Nederlandsch-Indië. Discontinued with jaarg. 42, 1934.

Australian institute of agricultural science. Journal. Box 3819T, G.P.O., Sydney, N.S.W. quar. 8°. vol. 1; no. 1, Mar. 1935. 10/6 per vol. of 4 nos.

Giornale di biologia applicata alla industria chimica ed alimentare. Bologna. Changed to Giornale di biologia industriale, agraria ed alimentare, with vol. 5, no. 1, Feb. 1935.

Indian academy of sciences. Proceedings. Bangalore. mo. 4°. il. vol. 1, no. 1, July, 1934. Price Rs. 4 or 6 sh.; annual subscription Rs. 36.

State aid to agriculture. An international quarterly summary of government measures affecting the prices of cereals, meats and dairy products. International institute of agriculture, Rome. v. 1, no. 1, Jan.-Mar. 1935. 25 lare a year.

Konjunktur, ilmub kord kuus; Monthly review of the Estonian institute of economic research. Konjunkturiinstituut, Toomkooli 13, Tallinn, Estonie. mo. 4°. no. 1; November, 1934.

Majandusteate; weekly bulletin of the Institute of economic research. Konjunkturiinstituut, Toomkooli 13, Tallinn, Estonie. w. 4°. nr. 1, Jan. 8, 1935.

Revista argentina de agronomia. Organo de la Sociedad argentina de agronomia. Lavalle 558, Buenos Aires. Irreg. 8°. il. tomo 1, no. 1, June 1934. Price not stated.

Rural progress magazine. 4601 Belmont Ave., Chicago. mo. f°. il. v. 1, no. 1. Nov. 1934. Free

Stuttgarter tierärztliche monatsschrift. Stuttgart. Discontinued with jahrg. 5, no. 12, Dec. 1934.

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PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

- EZEKIEL, M. Barriers to foreign trade. Amer. Cotton Grower 1(1): 11, 15.
June 1, 1935.
- WALLACE, H. A. Cotton program carries on. Progressive Farmer (Ga.-Ala.
ed.) 50(5): 10, 22. May 1935
- Farm facts for consumers by Secretary of Agriculture.
Wisconsin Agr. and Farmer 62(10): 3. May 11, 1935.
- Farmers and consumers a joint interest. Bur. Farmer 10(9): 5, 13, 15.
May 1935.
- Farmers and consumers have interests in common. Hoosier Farmer 19(5):
19. June 1935.
- Farmers must assert themselves. South. Planter 96(5): 5. May 1935.
- Industry did some plowing, it seems. Turned under thousands of
acres of factories, millions of workers, says Secretary Wallace. Maryland
Farmer 19(4): 16. Apr. 1935.
- The need for unifying purpose. Foreign Policy Assoc. Ann. Rpt. 1934: 30-44
Apr. 1935.
- Processing taxes and licensing are essential. Natl. Sphere 15(5): 13, 44.
May 1935.
- The world cotton drama. Foreign Affairs 13: 543-556. July 1935.
- WILSON, M. L. The question before wheat growers. Mont. Farmer 22(18): 3, 6.
May 15, 1935.

Agricultural Adjustment Administration

- DAVIS, C. C. Cotton a national challenge. Ark. Farmer 37 (26, i.e. 27):
5, 7. May 15, 1935.
- If drought strikes again. Sat. Evening Post 207(43): 23, 76, 77, 79,
80. Apr. 27, 1935.
- A plea for farm equality. Bur. Farmer 10(9): 3, 11-12. May 1935.
- Some things to think about. South. Planter 96 (4): 4. Apr. 1935.
- The farmer's income has increased. Rev. Rev. 91(4): 32, 36, 37,
64, 65. Apr. 1935.
- MANCHESTER, A. W. Marginal and sub-marginal lands. What they have contri-
buted to the present dilemma and what is being done with them. Amer. Cran-
berry Growers' Assoc. Proc. 65: 34-41. 1935.
- MEAL, W. G. The how and why of over-production of vegetables and small
fruits in the U.S.. Amer. Cranberry Growers' Assoc. Proc. 65: 26-34. 1935.
- PORTER, PAUL. Address [before the Economic Club of New York, May 8, 1935]
Consensus 20(1): 9-20. May 1935.

*These lists are prepared in the bureaus under which they are given, with the
exception of the Office of the Secretary and Agricultural Adjustment Admin-
istration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Bureau of Agricultural Economics

- STINE, O. C. Changes in the aggregate volume and distribution of purchasing power during recovery. Jour. Farm. Econ. 17: 211-218. May 1935.
- WORKING, E. J. Book review. (World agriculture and the depression, by Vladimir P. Timoshenko. Ann Arbor, Univ. Mich. Business Studies, v. 5, no. 5, 1933. 123 p.) Jour. Farm Econ. 17: 399-403. May 1935.

Bureau of Agricultural Engineering

- BENNETT, C. A. Some patents which have expired on cotton gin saws and ribs. Cotton Ginners' Jour. 6(7): 7, 16, 24, 28. Apr. 1935.
- DIEFFENBACH, E. M. Heights reached with present pecan spraying equipment. Southeast. Pecan Grow. Assoc. Proc. 29: 48, 50-51. 1935.
- ISRAELSON, O. W. Irrigation objectives. Utah Farmer. 55(18): 3. Apr. 25, 1935.
- JAMES, E. W. Plans for the Pan American highway project. Bul. Pan Amer. Union 59: 383-393. May 1935.
- SHEDD, C. K., COLLINS, E. V., and DAVIDSON, J. B. Basin method of planting row crops and a basin lister planter. Agr. Engin. 16: 133-36. Apr. 1935.

Bureau of Animal Industry

- BARNUM, G. L. The vitamin E content of eggs as related to the diet of the hen and to hatchability. Jour. Nutrition 9: 621-635. May 1935.
- [BUNYEA, H., Chairman] Report of committee on transmissible diseases of poultry. Jour. Amer. Vet. Med. Assoc. 86 (n.s.39) : 432-433. Mar. 1935. [U.S. Livestock Sanit. Assoc. Rpt., 38th, Dec. 1934.]
- CHITWOOD, B. G., and CHITWOOD, M. B. The histology of nemic esophagi. IV. The esophagus of *Metastrongylus elongatus*. Jour. Wash. Acad. Sci. 25:230-237. May 15, 1935.
- CREECH, G. T. Organic lesions in swine caused by *Brucella suis*. Jour. Amer. Vet. Med. Assoc. 86 (n.s.39) : 211-216. Feb. 1935.
- HARDY, J. I. A new development in measuring fiber quality. Natl. Wool Grower 25(5) : 15-16. May 1935.
- HOWE, P. E. Dietary value of fats. Oil and Soap 12 : 4-7. Jan. 1935.
- JONES, M. F., and ALICATA, J. E. Development and morphology of the cestode, *Hymenolepis cantianiana*, in coleopterian and avian hosts. Jour. Wash. Acad. Sci. 25: 237-247. May 15, 1935.
- JULL, M. A. Making more money with turkeys. South. Planter 96(5): 4, 27. May 1935.
- Ten years' progress in poultry improvement. New England Poultryman and Northeast Breeder 20 (4) : 7,102. Apr. 15, 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(Continued)

- LOWE, C. D. Livestock important in land use. Cattleman 21 (12) : 23
May 1935.
- Trucking livestock to market. Country Gent. 105 (5) : 88 May 1935.
- [MILLER, A. W., Chairman] Report of committee on miscellaneous trans-
missible diseases. Jour. Amer. Vet. Med. Assoc. 86 (n.s.39) : 363-367.
March 1935. [U. S. Livestock Sanit. Assoc. Rpt., 38th. Dec. 1934]
- MOHLER, J. R. Segurancia de prova pela tuberculina [Translation] Lavoura
e Criacao 17 (8) : 18-22; (9) : 27-31; (10) : 20-23; (11) : 20-25.
Aug., Sept., Oct., Nov. 1934.
- REES, C. W. (With E. V. COWDRY, Wash. Univ., St. Louis, senior author) An
attempt to ascertain the behavior of Anaplasma marginale in ticks
transmitting anaplasmosis. Amer. Jour. Hyg. 21 : 94-100. Jan. 1935.
- SCHWARTZ, B., and ALICATA, J. E. Development of Ancylostoma caninum
following percutaneous infection. Jour. Parasitol. 20 : 326. Dec. 1934.
- Life history of Longistriata musculi, a nematode parasitic
in mice. Jour. Wash. Acad. Sci. 25 : 128-146. Mar. 15, 1935.
- SKINKER, M. S. A new species of Oochoristics from a skunk. Jour. Wash.
Acad. Sci. 25 : 59-65. Feb. 15, 1935.
- SPINDLER, L. A. The effect of daily administrations of ferrous sulphate
and cooper sulphate to pigs on their resistance to infection with the
swine nodular worm. Oesophagostomum dentatum. Jour. Parasitol. 20 :
325-326. Dec. 1934.
- Resistance of rats to superinfection with Nippostrongylus muris,
following administration of adult worms by duodenal tube. Jour. Para-
sitol. 20 : 326. Dec. 1934.
- SPOTCHIK, J. Report on brine treatment of Hypoderma larvae in the backs
of cattle. Jour. Amer. Vet. Med. Assoc. 86 (n.s.39) : 488-492. Apr. 1935.
- TITUS, H. W., and HAMMOND, J. C. A method of analyzing the data of chick
nutrition experiments. Poultry Sci. 14 : 164-173. May 1935.
- UNDERWOOD, P. C. The use of saturated sodium chloride solution as a
larvicide in the control of the dog hookworm, Ancylostoma caninum.
North Amer. Vet. 16 (3) : 41-44. Mar. 1935.
- WIGHT, A. E. Progress and status of coöperative tuberculosis-eradication
work. Jour. Amer. Vet. Assoc. 86 (n.s.39) : 368-374. March 1935.
[U. S. Livestock Sanit. Assoc. Rpt., 38th., Dec. 1934]
- WRIGHT, W. H. Raise healthy colts. Country Gent. 105 (2) : 81. Feb. 1935.
- Sore mouth in lambs. Country Gent. 104 (12) : 69. Dec. 1934:
- (With E. D. McALISTER, Smithsn. Inst.) The effect of ultraviolet
radiation on the ova of the ascarid roundworms Toxocara canis and
Toxascaris leonina. Smithsn. Misc. Collect. v. 33, no. 1 (Pub. 3291)
13p. Dec. 23, 1934.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Bureau of Biological Survey

- ALDOUS, S. E. Some breeding notes on rodents. Jour. Mammal. 16 : 129-131.
May 1935.
- BURLEIGH, T. D. Two new birds from the southern Appalachians. Biol. Soc.
Wash. Proc. 48 : 61-62. May 3, 1935.
- Wildlife and forest management. Penn State Forestry Annual 1 :
11-14. Apr. 1935.
- CHEESMAN, W. H. Bureau of Biological Survey. Americana Annual 1935 :
97-100. 1935.
- COTTAM, C. The eelgrass situation in 1934. Amer. Game Conf. Trans.
21 : 295-301. 1935.
- Unusual food habits of California and ring-billed gulls. Condor 37 :
170-171. May 1935.
- COUCH, L. K. Everybody pays tribute to the army of rodents. Wash. Farmer
60: 227. May 16, 1935.
- DARLING, J. N. Our migratory waterfowl--an inventory. Bird-Lore 37 : 155-159,
May/June 1935.
- DAY, A. M. Why coyotes are a menace. Outdoor Life 75 : 26-27, 90.
May 1935.
- JEWETT, S. G. The season (ornithological): Portland (Oreg.) region.
Bird-Lore 37 : 230. May/June 1935.
- McATEE, W. L. Foreword on fish-eating birds. Emergency Conserv. Com.
Teaching Unit 4 : 1-4. May 1935.
- OBERHOLSER, H. C. The season (ornithological): Washington (D. C.) region.
Bird-Lore 37 : 223. May/June 1935.
- PREBLE, E. A. Waterfowl breeding grounds of Canada, viewed from a continental
standpoint. Amer. Game 24 : 20, 26, 27, illus. Mar./Apr. 1935.
- ROAHEN, K. F. The effect of poisons used in rodent control on grouse,
pheasants, and quail. Billings (Mont.) Gazette 47 (189) : 10. May 12, 1935.
- SHILLINGER, J. E. (With R. G. GREEN, Univ. of Minnesota, senior author).
Minnesota wildlife disease investigation. Minn. Dept. Conserv. v. 1.
(July 1933-Dec. 1934): [71] 100. 1935. Mimeographed.
- TAYLOR, W. P. (With C. T. Vorhies, Univ. Ariz., and P. B. Lister, Southw.
forest & range sta.) The relation of jack rabbits to grazing in southern
Arizona. Jour. Forestry 33: 490-498. May 1935.
- UHLER, F. M., and COTTAM, C. Mosquito control and its effects on
aquatic wildlife. Amer. Game Conf. Trans. 21 : 291-294. 1935.

Bureau of Chemistry and Soils

- BROWNE, C. A. The contribution of the chemist to the sugar industry
for the advancement of modern civilization. Chemist 12 (4) : 114.
Apr. 1935.
- Nature's own chemical laboratory is on the farm. Boston Even-
ing Transcript, Chemical Tercentenary Supplement. Apr. 22, 1935. p. 6.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils
(Continued)

- BURK, D., and HORNER, C. K. Uber Hydroxylamin, Hydrazin und Amide als Intermediärprodukte bei der N_2 -Fixation durch Azotobacter. Naturwissenschaften 23: 259-260. Apr. 19, 1935.
- and LINEWEAVER, H. The minimum kinetic mechanism of photosynthesis. Nature 135 : 621-622. Apr. 20, 1935.
- BYERS, H. G. The contribution of the chemist to agriculture for the advancement of modern civilization. Chemist 12(4) : 119. Apr. 1935.
- The importance of trace elements in the soil. Boston Evening Transcript, Chemical Tercentary Supplement. Apr. 22, 1935. p. 6.
- HERRICK, H. T., and MAY, O. E. Fermentation as a factor in producing organic acids for chemical industry. Chem. and Metall. Engin. 42 (3): 142-143. Mar. 1935.
- HOLMAN, H. P. New outlets for soil crop. Boston Evening Transcript, Chemical Tercentary Supplement. Apr. 22, 1935. p. 6.
- JAMIESON, G. S., and McKINNEY, R. S. Phosphatides in American soy beans and oil. Oil & Soap 12 : 70-71. Apr. 1935.
- McKINNEY, R. S., and JAMIESON, G. S. A study of the composition of American tung oil. Oil and Soap. 12: 92-93. May 1935.
- MERZ, A. R. Fertilizers. Natl. Res. Council. Ann. Surv. Amer. Chem (1934)9:266-276. 1935.
- OSBURN, O. L. (With C. H. Werkman, Iowa State College) Utilization of agricultural wastes. II. Influence of nitrogenous substrate on production of butyl and isopropyl alcohols by clostridium butylicum. Indus. and Engin. Chem. 27 : 416-419. Apr. 1935.
- POORE, H. D. Passion fruit products. Fruit Prod. Jour. 14: 264-268, 285. May 1935.
- POORE, H. D. The production of apple juices, concentrates and sirups. Fruit Prod. Jour. 14 : 170-173; 201-203. Feb., Mar. 1935.
- SKINNER, W. W. Fresh fruit beverages. Natl. Carbonator and Bottler 59(360): 10. Jan. 15, 1935.
- STUART, L. S., and FREY, R. W. Non-parasitic eczema damage in hides and leather. Jour. Amer. Leather Chem. Assoc. 30(3): 124-127. Mar. 1935.
- SWENSON, T. L., and JAMES, L. H. A comparison between eggs frozen at zero fahrenheit and eggs frozen at -109° fahr. U. S. Egg and Poultry Mag. 41(3) : 16-19. Mar. 1935.
- WHITE, L. M., HARDESTY, J. O., and ROSS, W. H. Ammoniation of double super-phosphate. Indus. and Engin. Chem. 27: 562-567. May 1935.

Bureau of Entomology and Plant Quarantine

- ABBOTT, W. S., and BILLINGS, S. C. Further work showing that paradichlorobenzene, naphthalene and cedar oils are ineffective as repellents against clothes moths. Jour. Econ. Ent. 28: 493-495. Apr. 1935.
- AMES, L. M. Berberis mentorensis. A new rust-resistant barberry. Gard. Chron. ser.3. 97:211. Mar. 30, 1935.
- BARBER, H. G. A new Edessa from Florida (Hemiptera-Heteroptera: Pentatomidae). Ent. Soc. Wash. Proc. 37: 48-49. Feb. 1935. [Edessa florida, n.sp.].
- A new species of Edessa from Puerto Rico (Family Pentatomidae). 3 p. N. Y., American museum of natural history, Mar. 30, 1935. (Amer. mus. novitat. no. 786) (Edessa paravinula, new species)
- The Norwegian zoological expedition to the Galapagos Islands 1925, conducted by Alf Wollbeaek. XI. Hemiptera-Heteroptera. Nyt Mag. Naturvidenskab. 74: 281-289. 1934.
- BONDY, F. F., and RAINWATER, C. F. Boll weevil and miscellaneous cotton insect investigations. S. C. Agr. Expt. Sta. Ann. rpt. (1933/34) 47: 100-102. Dec. 1934.
- BUSCK, A. Stenomidae. 73 p. 's Gravenhage, W. Junk, 1935. (Aurivillius, P. O. C. Lepidopterorum catalogus, editus ab Embrik Strand. Pars 67).
- CAFFREY, D. J. The European corn borer in the United States. World's Grain Exhib. and Conf. Regina, Canada, 1933, Proc. 2: 544-551. 1935.
- CAUDELL, A. N. A new species of katydid from China. (Orthoptera, Tettigoniidae, Phaneropterinae). Peking Nat. Hist. Bul. 9: 245-246. Mar. 1935. [Liotrachela convixipennis n. sp.].
- Notes on some Tettigoniinae of California with descriptions of new species. Pan-Pacific Ent. 10: 151-158. Oct. 1934.
- DAVIS, A. C., and YOUNG, H. D. Sulphur fumigation for the control of mushroom pests. Jour. Econ. Ent. 28: 459-465. Apr. 1935.
- DUDLEY, J. E. Preliminary experiments on control of the pea aphid in the Northwest. Canning Trade 57(40): 20-22. May 13, 1935.
- FISHER, W. S. Two new buprestid beetles from Puerto Rico. Ent. Soc. Wash. Proc. 37: 30-32. Feb. 1935. [Micrasta oakleyi, n. sp.; M. ornata n.sp.].
- FOX, H. Tenodera angustipennis Saussure established in southern New Jersey (Orthoptera: Mantidae). Ent. News. 46: 91-93. Apr. 1935.
- FULTON, R. A., and BERGEN, H. G. An improved model of an automatic insect flight trap designed to prevent the destruction of collected insects by water. Jour. Econ. Ent. 28: 491-493. Apr. 1935.
- GOULD, E. Newer methods and materials for controlling codling moth. Md. State Hort. Soc. Proc. 37: 41-45. 1935.
- GROSS, C. R. Report on arsenic. Jour. Assoc. Off. Agr. Chem. 18: 189-191. May 15, 1935.
- HOWARD, N. F., BRANNON, L. W., and MASON, H. C. Derris and other insecticides for the control of the Mexican bean beetle. Jour. Econ. Ent. 28: 444-448. Apr. 1935.
- JONES, H. A., CAMPBELL, F. L., and SULLIVAN, W. N. Relations between chemical composition and insecticidal effectiveness of rotenone-bearing plants. Jour. Econ. Ent. 28: 285-292. Apr. 1935.
- KNIPLING, E. F., and TATE, H. D. An outbreak of the screw worm, Cochliomyia americana Cushing and Patton, in northwestern Iowa. Jour. Econ. Ent. 28: 472-475. Apr. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(Continued)

- LANE, M. C. Recent progress in the control of wireworms. World's Grain Exhib. and Conf. Regina, Canada, 1933, Proc. 2: 529-534. 1935.
- LARRIMER, W. H. The Hessian fly problem in the United States. World's Grain Exhib. and Conf. Regina, Canada, 1933, Proc. 2: 538-543. 1935.
- LUMSDEN, D. *Ada aurantiaca*. Amer. Orchid Soc. Bul. 3: 62. Mar. 1935.
- MACALONEY, H. J. The balsam woolly aphid in the Northeast. Jour. Forestry. 33: 481-484. May 1935.
- MACINDOO, N. E. The relative attractiveness of certain solanaceous plants to the Colorado potato beetle, *Leptinotarsa decemlineata* Say. Ent. Soc. Wash. Proc. 37: 36-42. Feb. 1935.
- PARKER, J. R. Factors largely responsible for years of grasshopper abundance. (Summary). World's Grain Exhib. and Conf. Regina, Canada, 1933, Proc. 2: 472-473. 1935.
- The 1934 grasshopper-control campaign. Jour. Econ. Ent. 28: 314-323. Apr. 1935.
- REED, W. D. Notes on the distribution of cured tobacco insects in the Near East. Ent. Soc. Wash. Proc. 37: 42-48. Feb. 1935.
- RICHARDSON, H. H. A progress report on the insecticidal control of the Mexican mealybug (*Phenacoccus gossypii* T. and Ckll.) on greenhouse chrysanthemums. Jour. Econ. Ent. 28: 399-405. Apr. 1935.
- ROARK, R. C. Insecticides and fungicides. Indus. and Engin. Chem. Indus. Ed. 27: 530-532. May 1935.
- SHOTWELL, R. L. Method for making a grasshopper survey. Jour. Econ. Ent. 28: 486-491. Apr. 1935.
- SIMMONS, P., BARNES, D. F., DONOHUE, H. C., and FISHER, C. K. Progress in dried fruit insect investigations in 1934. Dried Fruit Assoc. Calif. Bul. 1658. 7 p. Jan. 8, 1935. (Mimeographed).
- SMITH, C. R. Occurrence of anabasine in *Nicotiana glauca* R. Grah. (Solanaceae). Jour. Amer. Chem. Soc. 57: 959-960. May 1935.
- SNYDER, T. E. An introduced anobiid beetle destructive to houses in the Southern States. Biol. Soc. Wash. Proc. 48: 59-60. May 3, 1935. [*Nicobium hirtum* Illiger].
- VANSELL, G. H., and WATKINS, W. G. Buckeye poisoning in Eldorado County, California. Amer. Bee Jour. 75: 225-226. May 1935.

Extension Service

- FRYSINGER, G. E. Home demonstration work: a service for rural homemakers. Reclamation Era 25: 86-87; 94-95. Apr., May 1935.
- We come of age. Country Gentleman 105(5): 38. May 1935.
- ROKAHR, M. Farm women keep books. Agr. Leaders' Digest 16(3): 26-27. Mar. 1935.
- SHRADER, H. L. Chick sexing development. U. S. Egg and Poultry Mag. 41(5): 37, 59, 60. May 1935.
- TURNER, R. A. Happy, from the first hellow to the last goodbye. Agr. Leaders' Digest 16(1): 24-25. Jan. 1935.
- National Club Camp: the 4-H crossroads of the country. Agr. Leaders' Digest 16(4): 18, 20. May 1935.
- WARREN, G. L. Building character. Country Gentleman 105(6): 21, 81. June 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Bureau of Plant Industry

- ALDRICH, W. W. Pear growing problems in Rogue River Valley. Rogue River Val. Pear-o-scope 3(2): 3, 9-10. May 1935.
- ARTSCHWAGER, E. Book review. (Paul Sorauer. Handbuch der pflanzenkrankheiten. Erster band. Die nichtparasitären und virus-krankheiten. Zweiter teil. Sechste, neubearb. aufl. hrsg. von dr. O. Appel. pp.viii,553. Paul Parey, Berlin, 1934) Phytopathology 25: 525-527. May 1935.
- BEATTIE, R. K., and VERRALL, A. F. The Dutch elm disease. The entry and movement of elm burl logs. Jour. Tenn. Acad. Sci. 10: 86-88. Apr. 1935.
- BERGMAN, H. F. The use of Bordeaux spray on cranberry bogs in relation to the control of fruit rots and to vine growth and productivity. Amer. Cranberry Growers' Assoc. Proc. 65: 11-15, 18-22. 1935.
- BREWBAKER, H. E. Studies on spacing of sugar beets within the row at Eaton, Colorado. Through the Leaves 23: 74-76. May 1935.
- CLARK, C. F. Report of research committee on potato breeding. Amer. Potato Jour. 12: 91-94. Apr. 1935.
- CLARK, J. A. Inheritance of stem rust and bunt reactions in spring wheat crosses. World's Grain Exhib. and Conf. Regina, Canada, 1933, Proc. 2: 37-43. 1935.
- and SMITH, G. S. Inheritance of stem-rust reaction in wheat. II. Jour. Amer. Soc. Agron. 27: 400-407. May 1935.
- CLAYTON, E. E., and STEVENSON, J. A. Nomenclature of the tobacco downy mildew fungus. Phytopathology 25: 517-521. May 1935.
- COOK, O. F. Eugenics and rural trends. (Review of Brunner, E. de S., and J. H. Kolb, Rural social trends. McGraw-Hill Co., 1933.) Jour. Heredity 26: 201-205. May 1935.
- Hevea rubber trees in Florida. Science 81:435. May 3, 1935.
- COURTNEY, W. D. Nematodes and plant disease. (Review of Goodey, T. Plant parasitic nematodes and the diseases they cause. E. P. Dutton and co., 1933.) Jour. Heredity 26: 222. May 1935.
- CRANE, H. L., HARDY, M. B., DODGE, F. N., LOOMIS, N. H. The effects of thinning the stand of trees and other orchard practices on the growth and yield of pecans. Southeast. Pecan Grow. Assoc. Proc. 29: 27-35. 1935.
- CRANE, H. L. Some observations on weather conditions at Albany, Georgia, in relation to pecan production. Southeast. Pecan Grow. Assoc. Proc. 29: 15-20. 1935.
- CULLINAN, F. P. Important practices in producing a good crop of peaches. Md. State Hort. Soc. Proc. 37: 26-31. 1935.
- DARROW, G. M. Root rots and degeneration of the strawberry. [Review of recent papers issued in England and Canada]. Phytopathology 25: 523-525. May 1935.
- DEMAREE, J. B., and LARGE, J. R. Methods of meeting the menace of premature defoliation in pecan orchards. Southeast. Pecan Grow. Assoc. Proc. 29: 42-44, 46-48. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(Continued)

- FISHER, D. F. Cork injuries and internal breakdown of apples. Md. State Hort. Soc. Proc. 37: 18-22. 1935.
- How to avoid damage to apples in the washing process. Md. State Hort. Soc. Proc. 37: 47-49. 1935.
- FOWLER, E. D., and LEWIS, R. D. Soils and fertilizers for pecans in the southeastern United States. Southeast. Pecan Grow. Assoc. Proc. 29: 60-64, 66-68, 70-72. 1935.
- GOSS, W. L. What clean seeds mean in California. Calif. Cult. 82: 275, 303. May 11, 1935.
- GRIFFITHS, D. Tulips. Florists' Rev. 75(1933): 13-14, Dec.13; (1934): 19, Dec.20; (1935): 20, Dec.27, 1934; (1936): 23, Jan.5; (1937): 21, Jan.10. (1938): 27, Jan.17; (1941): 27, Feb.7; (1944): 18, Feb.28; (1946): 27, Mar.13; (1948): 25, Mar.28; 76(1949): 38, Apr.4; (1951): 23, Apr.18; (1952): 27, Apr.25; (1955): 23, May 16; (1957): 25-26, May 30, 1935.
- HUMPHREY, H. B. Cereal disease forecasting. World's Grain Exhib. and Conf. Regina, Canada, 1933, Proc. 2: 214-219. 1935.
- JONES, F. R. (With L.F. GRABER, Vis. Agr. Expt. Sta.) Varietal survival of alfalfa on wilt-infested soil. Jour. Amer. Soc. Agron. 27: 364-366. May 1935.
- KEARNEY, T. H. The North American species of Spaeralcea subgenus Eusphaeralcea. Univ. Calif. Pub. Bot. 19: 1-128. 1935.
- KRIEGER, L. C. C. The morel, a great mushroom delicacy. South. Planter 96(3): 26. Mar. 1935.
- LEWIS, R. D., and FOWLER, E. D. Influence of nitrogen fertilizers on the reaction of Greenville sandy loam soil. Southeast. Pecan Grow. Assoc. Proc. 29: 12-14. 1935.
- LINDGREN, R. M. Fungus control as one means of safeguarding future markets for wood. Jour. Forestry 33: 474-480. May 1935.
- Decay of wood in use - a preventable loss. Janitation 6(3/4): 5-8, 10. Apr. 1935.
- MCCALL, M. A. Man in prehistory. (Review of Leaky, L.S.B. Adam's ancestors. Longmans, Green & Co., New York, 1934.) Jour. Heredity 26: 206-207. May 1935.
- MCCOMB, A. L. (With H.J. LUTZ, Yale Univ. School Forestry) Origin of white pine in virgin forest stands of northwestern Pennsylvania as indicated by stem and basal branch features. Ecology 16: 252-256. Apr. 1935.
- MAGNESS, J. R. Possibilities of orchard irrigation in eastern apple culture. Md. State Hort. Soc. Proc. 37: 12-17. 1935.
- MANN, C. W., and COOPER, W. C. Methods of refrigeration in transportation of lemons. Calif. Citrogr. 20: 236-237. June 1935.
- MORRISON, B. Y. Plant material - daffodils, 1935. Bul. Gard. Club Amer. ser.5, 15: 97-101. May 1935.
- PENTZER, W. T., and ASBURY, C. E. The sodium bisulphite treatment of grapes to retard mold growth. Blue Anchor 12(5): 6, 26-27. May 1935.
- RICKER, P. L. Poison-ivy, poison-oak and poison-sumac. Wild Flower Preservation Soc. Circ. 42. 6 p. illus. Apr. 15, 1935.

PUBLICATIONS OF U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(Continued)

- RUSSELL, P. *Prunus serrulata* Lindl. Oriental cherry. Variety Higurashi. Natl. Hort. Mag. 14: 202, 204-205. Apr. 1935.
- SHAMEL, A. D., and POMEROY, C. S. The Robertson strain of the Washington Navel orange. Jour. Heredity 26: 218-222. May 1935.
- SMITH, G. M. Hybrid sweet corn. Canning Age 16: 243-245. May 1935. (With Purdue Univ. Agr. Expt. Sta.)
- STUART, W. Development of new varieties of potatoes. Ohio Veg. Growers Assoc. Proc. 20: 61-66. 1935.
- Present and future trends in the potato industry. Ohio Veg. Growers Assoc. Proc. 20: 79-86. 1935.
- SUMMERS, E. M., and RANDS, R. D. Losses due to planting of mosaic seed cane. Sugar Bul. 13(15): 246. May 1, 1935.
- TAYLOR, W. A. David Griffiths. Science 81: 426-427. May 3, 1935.
- TYSDAL, H. M. An analysis of soil and seasonal effects in alfalfa variety tests. Jour. Amer. Soc. Agron. 27: 384-391. May 1935. (In cooperation with Nebr. Agr. Expt. Sta.)
- VINALL, H. N. Characteristics of imported millet seed. Seed World 37(11): 9. May 24, 1935.
- WILCOX, R. B. A program for cranberry rot control in 1935. Amer. Cranberry Growers' Assoc. Proc. 65: 22-25. 1935.

Bureau of Public Roads

- HARRISON, J. L. The Lee boulevard of gravel at its best. Roads and Streets 78(4): 125-128. Apr. 1935.
- MACDONALD, T. H. Let's look to the roadside. Amer. Forests 41: 170-171, 197. Apr. 1935.
- ROGERS, C. F. Are you losing profits through lost time? Pt. 6 of studies of the construction of mixed bituminous roads. Contract. and Engin. Monthly 30(4): 6, 13. Apr. 1935.

Soil Conservation Service

- MUSGRAVE, G. W. The infiltration capacity of soils in relation to the control of surface runoff and erosion. Jour. Amer. Soc. Agron. 27: 336-345. May 1935.
- REDDICK, H. E. Erosion and the citrus grower. Calif. Citrogr. 20: 235, 258-259. June 1935.

Office of Solicitor

- THOMAS, S. Regulation of commission rates. Cattleman 22(1): 21-27. June 1935.

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ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK

Alabama

DUGGAR, J. F. Nodulation of peanut plants as affected by variety, shelling of seed, and disinfection of seed. Jour. Amer. Soc. Agron. 27(4): 286-288. April 1935.

Arizona

GREENE, R. A. Studies on protein synthesis by the genus Azotobacter. Soil Sci. 39(5): 327-336. May 1935.
McGEORGE, W. T., BUEHRER, T. F., and BREAZEALE, J. F. Phosphate availability in calcareous soils: a function of carbon dioxide and pH. Jour. Amer. Soc. Agron. 27(5): 330-335. May 1935.

Arkansas

McCORMICK, T. C. Population origins as a factor in rural social organization in Arkansas. Amer. Sociol. Soc. [Proc.] (1933) v. 28: 63-65. [1934?]
TURNER, L. M. Catastrophes and pure stands of southern shortleaf pine. Ecology 16(2): 213-215. April 1935.

California

ALMQUIST, H. J. (With J. W. GIVENS) Effects of common feed ingredients on the iodine content of hen's eggs. Poultry Sci. 14(3): 182, 190. May 1935.
ASMUNDSON, V. S. (With M. J. WOLFE, Univ. Calif.) Effect of pregnant mare's serum on the immature fowl. Soc. Expt. Biol. and Med. Proc. 32(7): 1107-1109. April 1935.
BLUNN, C. T., and GREGORY, P. W. The embryological basis of size inheritance in the chicken. Jour. Expt. Zool. 70(3): 397-414. May 1935. (C. T. Blunn, Univ. Calif.)
CATCHPOLE, H. R., COLE, H. H., and PEARSON, P. B. Studies on the rate of disappearance and fate of mare gonadotropic hormone following intravenous injection. Amer. Jour. Physiol. 112(4): 21-26. May 1, 1935. (With H. R. Catchpole and P. B. Pearson)
CRUESS, W. V. Splitting of cherries in brine. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(9): 271-272. May 1935.
CRUESS, W. V. Suggested scoring system for wines. Fruit Prod. Jour. and Amer. Vinegar Indus. 14(9): 269-270. May 1935.
ESAU, K. Ontogeny of the phloem in sugar beets affected by the curly-top disease. Amer. Jour. Bot. 22(2): 149-163. Feb. 1935.
EVANS, H. M. (With M. E. SIMPSON and R. I. PENCHARZ, Univ. Calif.) Gonadotropic effects in hypophysectomized female rats of implants of pituitaries from castrated males. Soc. Expt. Biol. and Med. Proc. 32(7): 1048-1049. April 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California (continued)

- EVANS, H. M. (With M. E. SIMPSON, Univ. Calif.) Production of superovulation in normal immature rats by injection of the principle in menopause urine. Soc. Expt. Biol. and Med. Proc. 32(7): 1046-1047. April 1935.
- EVANS, H. M. (With M. E. SIMPSON, Univ. Calif.) A sensitive biological test for menopause or castration prolan. Soc. Expt. Biol. and Med. Proc. 32(7): 1048. April 1935.
- EVANS, H. M. (With M. E. SIMPSON, Univ. Calif.) Synergism or augmentation produced by the addition of an hypophyseal synergist to menopause or castration urine. Soc. Expt. Biol. and Med. Proc. 32(7): 1047. April 1935.
- HERMS, W. B. (With J. K. ELLSWORTH, Univ. Calif.) The use of colored light in electrocuting traps for the control of the grape leafhopper. Agr. Engin. 16(5): 183-186. May 1935.
- HIBBARD, P. L. Factors influencing phosphate fixation in soils. Soil Sci. 39(5): 337-358. May 1935.
- JOSLYN, M. A. (With G. L. MARSH, Univ. Calif.) Browning of orange juice: survey of the factors involved. Indus. and Engin. Chem. 27(2): 186-189. Feb. 1935.
- JOSLYN, M. A. (With G. L. MARCH, Univ. Calif.) Effect of cold and freezing storage on wine composition. Indus. and Engin. Chem. 27(1): 33-35. Jan. 1935.
- JUKES, T. H. Measurement of tryptic digestion by direct titration. Jour. Biol. Chem. 109(2): xlvii-xlviii. May 1935.
- KLOTZ, L. J., and FAWCETT, H. S. Rind breakdown of navel orange. Calif. Citro-graph 20(5): 124. March 1935.
- LEPKOVSKY, S., and POPPER, W., jr., and EVANS, H. M. The preparation of crystalline vitamin G. Jour. Biol. Chem. 109(2): liv. May 1935. (H. M. Evans with S. Lepkovsky and W. Popper, jr.)
- LUBBEHUSEN, R. E., and BEACH, J. R. The place of the whole-blood test in a pullorum disease-eradication program. Jour. Amer. Vet. Med. Assoc. 86(5): 620-634. May 1935.

Connecticut (State)

- JONES, D. F. (With E. HUNTINGTON, Yale Univ.) The adaptation of corn to climate. Jour. Amer. Soc. Agron. 27(4): 261-270. April 1935.
- LUNT, H. A. The application of a modified procedure in nitrogen transformation studies in forest soils. Jour. Amer. Soc. Agron. 27(5): 346-355. May 1935.

Connecticut (Storrs)

- WHETTEN, N. L. Influences of the colonial stock, the newer immigrants, and urban dwellers on the social organization of New England rural regions. Amer. Sociol. Soc. [Proc.] (1933) v. 28: 112. [1934]

Florida

- NOBLE, C. V. Discussion of "The citrus marketing agreements," by A. W. McKay. Jour. Farm Econ. 17(2): 347-348. May 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Illinois

- CASE, H. C. M. Farm debt adjustments. Jour. Farm Econ. 17(2): 290-300.
May 1935.
- JOHNSON, H. W., GRAHAM, R., and TORREY, J. P. A note on the non-poisonous properties of Osage oranges (*Maclura pomifera*). Jour. Amer. Vet. Med. Assoc. 86(5): 667-668. May 1935.
- KADOW, K. J., and ANDERSON, H. W. Zinc sulfate for peach spraying. Ill. Hort. 25(2): 1. May 1935.
- LINDSTROM, D. E. A study of rural Illinois. Amer. Sociol. Soc. [Proc.] (1933) v. 28: 108-109. [1934?] [Abstract]

Indiana

- BURKHOLDER, C. L. Observations on spraying, pruning, and orchard management practices in east central states. Ohio State Hort. Soc. Proc. 68(1935): 66-71. 1935.
- CARD, L. E. Making a profit with poultry under present conditions. Ind. Poultry Blue Book 1935: 9. 1935.
- CARRICK, C. W. Improving egg size. Ind. Poultry Blue Book, 1935: 14-16. 1935.
- DOYLE, L. P. Testing for pullorum disease. Indiana Poultry Blue Book 1935: 12. 1935.
- ROBERTS, R. E. Feeding chicks. Ind. Poultry Blue Book, 1935: 4-7. 1935.
- SCHNETZLER, E. E. Getting economical growth with turkeys. Ind. Poultry Blue Book 1935: 26, 28. 1935.
- YOUNG, E. C. The farm mortgage credit situation in the United States. Jour. Farm Econ. 17(2): 260-269. May 1935.
- WITHROW, R. B., and BENEDICT, H. M. An improved method for seed germination Science n.s. 81(2105): 439. May 3, 1935.

Iowa

- AIKMAN, J. M. The effect of low temperature on the germination and survival of native oaks. Iowa Acad. Sci. Proc. 41(1934): 89-93. [1935?]
- CHRISTENSEN, L. M., and HIXON, R. M., and FULMER, E. I. Alcohol motor fuels. Iowa Acad. Sci. Proc. 41(1934): 168-169. [1935?] Abstract. (L. M. Christensen and E. I. Fulmer, Iowa State Col.)
- DEAN, H. L., and WALKER, R. H. A comparison of different types of glass electrode for determining the pH of soils. Iowa Acad. Sci. Proc. 41(1934): 127-132. [1935?] (H. L. Dean, Iowa State Col.)
- HABER, E. S. Shortening the rest period of the tubers of the Jerusalem artichoke, *Helianthus tuberosus* L. Iowa Acad. Sci. Proc. 41(1934): 111. [1935?] Abstract.
- LAMBERT, W. V. Inheritance as a factor in poultry disease. Poultry Sci. 14(3): 131-136. May 1935.
- LAMBERT, W. V. A new character in the guinea pig - "silvering." Iowa Acad. Sci. Proc. 41(1934): 318. [1935?] Abstract.
- LINDSTROM, E. W. Inheritance of fruit shapes and sizes in the pepper and tomato. Iowa Acad. Sci. Proc. 41(1934): 114. [1935?] Abstract.

Iowa (continued)

- MARTIN, J. N. The distribution and life-history of *Trillium nivale* Riddell. Iowa Acad. Sci. Proc. 41 (1934): 115. [1935?].
- MARTIN, J. N. A variant *Quercus alba* L. Iowa Acad. Sci. Proc. 41(1934): 114. [1935?] Abstract.
- MILLAR, H. C., and SMITH, F. B. The significance of carbon dioxide in making phosphorus available in the soil. Iowa Acad. Sci. Proc. 41(1934):117-121. [1935?]
- NEAL, O. R. and WALKER, R. H. The oxidation of glucose by *Rhizobium meliloti*. Iowa Acad. Sci. Proc. 41(1934): 167-168. [1935?] Abstract. (O. R. Neal, Iowa State Col.)
- PORTER, R., McCLESKEY, C. S., and LEVINE, M. Characteristics of sporulating facultative bacteria producing gas from lactose. Soc. Expt. Biol. and Med. Prod. 32(7): 1032-1034. April 1935. (C. S. McCleskey and N. Levine, Iowa State Col.)
- REYNOLDS, H., and WERKMAN, C. H. Fermentation and artichokes. Iowa Acad. Sci. Proc. 41(1934): 75-78. [1935?] (H. Reynolds, Iowa State Col.)
- SCIUCHETTI, A., and LAMBERT, W. V. A study of the inheritance and the physiological behavior of dwarfism associated with an eye defect in rats. Iowa Acad. Sci. Proc. 41(1934): 317-318. [1935?] Abstract. (A. Sciuchetti, Iowa State Col.)
- SHEPHERD, G. The incidence of the AAA processing tax on hogs. Jour. Farm Econ. 17(2): 321-334. May 1935.
- SMITH, F. B., BROWN, P. E. (With C. C. MENSING, Iowa State Col.) Trials with a bacteriological method for measuring available phosphorus in soils. Iowa Acad. Sci. Proc. 41(1934): 85-88. [1935?]
- STARR, D. F., and HIXON, R. M. Reduction of furan and the preparation of tetramethylene derivatives. Iowa Acad. Sci. Proc. 41(1934): 169-170. [1935?] Abstract. (D. F. Starr, Iowa State Col.)
- SWANSON, P. P., TIMSON, G. H., and FRAZIER, E. Some observations on the physiological adjustment of the albino rat to a diet poor in salts when edestin is the source of dietary protein. Jour. Biol. Chem. 109(2): 729-737. May 1935. (P. P. Swanson and E. Frazier, Iowa State Col.)
- WALKER, R. H., and BROWN, P. E. Nitrification in the Grundy silt loam as influenced by liming. Jour. Amer. Soc. Agron. 27(5): 356-363. May 1935.
- WALKER, R. H., and BROWN, P. E. The numbers of *Rhizobium meliloti* and *Rhizobium trifolii* in soils as influenced by soil management practices. Jour. Amer. Soc. Agron. 27(4): 289-296. April 1935.

Kansas

- FAY, A. C. The detection of formaldehyde in milk by means of the methylene blue reduction test. Jour. Dairy Sci. 18(5): 327-331. May 1935.
- KOENIG, M. C., KRAMER, M. M., and PAYNE, L. F. Vitamin A content of eggs as related to rate of production. Poultry Sci. 14(3): 178-182. May 1935.
- MARTIN, W. H. Here is how you can make good chocolate ice cream. Ice Cream Trade Jour. 31(3): 19-20. March 1935.
- METZGER, W. H. The relation of varying rainfall to soil heterogeneity as measured by crop production. Jour. Amer. Soc. Agron. 27(4): 274-278. April 1935.
- ZINK, F. J. Man as a power unit. Agr. Engin. 16(5): 413. May 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Kentucky

- BRADLEY, C. J. Local government in a rural area. Jour. Farm Econ. 17(2): 375-378. May 1935. (Note)
- FERGUS, E. N. The place of legumes in pasture production. Jour. Amer. Soc. Agron. 27(5): 367-373. May 1935.
- MARTIN, J. H., and INSKO, jr., W. M. The effect of temperature and position in the incubation of turkey eggs. Poultry Sci. 14(3): 152-155. May 1935.

Louisiana

- LUSH, R. H. Five years results on monthly clipping of pastures. Jour. Dairy Sci. 18(5): 295-299. May 1935.
- SMITH, T. L. An analysis of rural social organization among the French-speaking population of southern Louisiana. Amer. Social Soc. [Proc.] 28(1933): 111. [1934] [Abstract]

Michigan

- BOUYOUCOS, G. J. An improvement in the hydrometer method for making mechanical analyses of soils. Jour. Amer. Soc. Agron. 27(4): 319-320. April 1935. (Note)
- DOWN, E. E. Bean hybridization. Jour. Amer. Soc. Agron. 27(4): 318-319. April 1935. (Note)
- DOWN, E. E. The introduction of varieties of field crops free of detectable mixtures or segregations. Jour. Amer. Soc. Agron. 27(4): 318. April 1935. (Note)
- GOULD, I. A., and LUCAS, P. S. A study of factors influencing the separation of whey in ice cream mixes containing vegetable stabilizers. Jour. Dairy Sci. 18(5): 307-315. May 1935.
- HARMER, P. M. The problems of a muck farmer. Ohio Veg. Growers Assoc. Proc. 20(1935): 158, 160, 162, 164, 166, 168, 170. 1935.
- HARMER, P. M. Recent developments in fertilizing muck soil. Ohio Veg. Growers Assoc. Proc. 20(1935): 136, 138-142, 144. 1935.
- JOHNSTON, S. Commercial blueberry culture. Amer. Fruit Grower 55(5): 9, 25-26. May 1935.
- MOORE, L. A., HUFFMAN, C. F., and DUNCAN, C. W. Blindness in cattle associated with a constriction of the optic nerve and probably of nutritional origin. Jour. Nutrition 9(5): 533-551. May 10, 1935.
- SCHAIBLE, P. J., BANDEMER, S. L., and MOORE, J. M. Mineral partition during intestinal digestion. Jour. Biol. Chem. 109(2): lxxix. May 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Minnesota

- ALDERMAN, W. H. What horticulture means to Minnesota. Minn. Hort. 63(5): 83, 85. May 1935.
- CHINN, M., and PHELPS, E. L. Silk weighting. Indus. and Engin. Chem. 27(2): 209-211. Feb. 1935. (M. Chinn, Univ. Minn.)
- GAREY, L. F. (With W. BALDWIN, Univ. Minn.) Part-time farming in the Twin City area of Minnesota. Jour. Farm Econ. 17(2): 383-385. May 1935. (Note)
- RCE, H. B. Soil erosion control and soil moisture regulation in relation to state and national land-use planning. Agr. Engin. 15(12): 428-430. Dec. 1934.
- RUGGLES, A. G., and EIDE, C. J. A pest control program for fruits in Minnesota. Minn. Hort. 63(5): 93-94. May 1935.

Missouri

- HOGAN, A. B., and RICHARDSON, L. R. The identity of the antidermatitis factor. Jour. Biol. Chem. 109(2): xliii-xliv. May 1935.
- JENNY, H., (With G. D. SMITH, Univ. Mo.) Colloid chemical aspects of clay pan formation in soil profiles. Soil Sci. 39(5): 377-389. May 1935.
- MORGAN, E. L. Race and culture as factors in social organization. Amer. Sociol. Soc. [Proc.] (1933): 108. [1934?] [Abstract]
- TALBERT, T. J. Black raspberries prove profitable. Amer. Fruit Grower 55(4): 9, 26. April 1935.
- THOMSEN, F. L. Factors affecting farm real estate values in the United States. Jour. Farm Econ. 17(2): 379-382. May 1935. (Note)
- WOOLEY, J. C. Some present day demands influencing farm building design. Agr. Engin. 16(5): 181-182, 186. May 1935.

Nebraska

- CLARK, J. A., and SMITH, G. S. Inheritance of stem-rust reaction in wheat. II. Jour. Amer. Soc. Agron. 27(5): 400-407. May 1935. (J. A. Clark, U. S. Dept. Agr.)
- KEIM, F. D. Plant breeding opportunities with pasture and meadow plants. Jour. Amer. Soc. Agron. 27(4): 254-260. April 1935.
- MUSSEHL, F. E., and ACKERSON, C. W. Calcium and phosphorus requirements of growing turkeys. Poultry Sci. 14(3): 147-151. May 1935.
- TYSDAL, H. M. An analysis of soil and seasonal effects in alfalfa variety tests. Jour. Amer. Soc. Agron. 27(5): 384-291. May 1935. (In Coop. with U. S. Dept. Agr.)

New Hampshire

- BENEDICT, F. G., and RITZMAN, E. G. Lability of the basal metabolism of the dairy cow. Science n.s. 81(2105): 416-417. May 3, 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

New Jersey

- JOFFE, J. S. Soil profile studies: VII. The glei process. Soil Sci. 39(5): 391-401. May 1935.
- LIPMAN, J. G. The stuff of life. Indus. and Engin. Chem. 27(1): 103-110. Jan. 1935.
- RUSSELL, W. C., TAYLOR, M. W., and WILCOX, D. E. A comparison of the antirachitic potency of cod liver oil and irradiated ergosterol on a curative and preventative basis. Jour. Nutrition 9(5): 569-574. May 10, 1935.
- SETTER, L. R., and MATTSON, S. Coagulation of soil suspensions by aluminum and iron salts: electrophoretic study. Indus. and Engin. Chem. 27(1): 94-97. Jan. 1935.
- SPRAGUE, H. B., FARRIS, N. F., and COLBY, W. G. The effect of soil conditions and treatment on yields of tubers and sugar from the American artichoke (*Helianthus tuberosus*). Jour. Amer. Soc. Agron. 27(5): 392-399. May 1935.
- WAKSMAN, S. A. (With C. L. CAREY) Decomposition of organic matter in sea water by bacteria. I. Bacterial multiplication in stored sea water. Jour. Bact. 29(5): 531-543. May 1935.
- WAKSMAN, S. A. (With C. L. CAREY) Decomposition of organic matter in sea water by bacteria. II. Influence of addition of organic substances upon bacterial activities. Jour. Bact. 29(5): 545-561. May 1935.

New York (Cornell)

- HEIMAN, V. The relative vitamin G content of dried whey and dried skim milk. Poultry Sci. 14(3): 137-146. May 1935.
- HEINICKE, A. J. Soil types and structure as related to apple production. Ohio State Hort. Soc. Proc. 68(1935): 85-91. 1935.
- HEINICKE, A. J. Some cultural conditions influencing the manufacture of carbohydrates by apple leaves. Ohio State Hort. Soc. Proc. 68(1935): 72-77. 1935.
- HILDEBRAND, E. M. Modern control of fire blight. Amer. Fruit Grower 55(4): 13, 23, 29. April 1935.
- MAYNARD, L. A., and McCAY, C. M. Studies of fat metabolism in lactation. Jour. Biol. Chem. 109(2): lxi. May 1935.
- RASMUSSEN, M. P. Recent changes in the distribution of fruits and vegetables and how growers can meet them. Natl. Assoc. Marketing Officials Proc. 16 (1934): 39-48. [1935?]
- REDDICK, R. International union of biological sciences. Science n.s. 81(2105): 434-435. May 3, 1935. (Discussion)
- WARREN, G. F., and PEARSON, F. A. Monetary policy and prices. Jour. Farm Econ. 17(2): 219-234. May 1935.
- WILSON, J. K. The neutralizing power of forage crops for organic and mineral acids. Jour. Dairy Sci. 18(5): 317-325. May 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

North Carolina

- HAMILTON, C. H. A study in rural North Carolina. Amer. Sociol. Soc. [Proc.]
(1933, v. 28: 110. [1935] (Abstract)

Ohio

- ALEXANDER, L. J. Progress in the development of a new leaf mold resistant tomato variety. Ohio Veg. Growers Assoc. Proc. 20(1935): 25-27. 1935.
- BALLOU, F. H. Home manufacture of liquid lime-sulphur. Ohio State Hort. Soc. Proc. 68(1935): 19-28. 1935.
- BAYFIELD, E. G. Observations on the whole wheat meal fermentation time test. Jour. Amer. Soc. Agron. 27(4): 241-250. April 1935.
- BROWN, H. D. Irrigation on muck. Ohio Veg. Growers Assoc. Proc. 20(1935): 125-129. 1935.
- BROWN, H. D. The use of hybrids in vegetable production. Ohio Veg. Growers Assoc. Proc. 20(1935): 5-8. 1935.
- BUSHNELL, J. Experiments with potatoes on muck soil. Ohio Veg. Growers Assoc. Proc. 20(1935): 152, 154, 156, 158. 1935.
- BUSHNELL, J. Sensitivity of the potato plant to soil aeration. Jour. Amer. Soc. Agron. 27(4): 251-253. April 1935.
- BUSHNELL, J. Ways of improving potato stands. Ohio Veg. Growers Assoc. Proc. 20(1935): 56-59. 1935.
- CUTRIGHT, C. R. Research work with codling moth. Ohio State Hort. Soc. Proc. 68(1935): 35-41. 1935.
- ELLENWOOD, C. W. Filler apple trees. Ohio State Hort. Soc. Proc. 68(1935): 112-120. 1935.
- HAUCK, C. W. Costs of marketing fruits and vegetables in the Columbus wholesale market. Ohio State Hort. Soc. Proc. 68(1935): 136-137. 1935.
- HAVIS, L. Hardiness and variety tests with some newer stone and small fruits. Ohio State Hort. Soc. Proc. 68(1935): 120-124. 1935.
- HOFFMAN, I. C. The influence of nitrate and ammonium nitrogen on the growth of greenhouse tomatoes in soils of different reaction. Ohio Veg. Growers Assoc. Proc. 20(1935): 35-38. 1935.
- HOFFMAN, I. C. Some effects of soil moisture variations on greenhouse tomatoes. Ohio Veg. Growers Assoc. Proc. 20(1935): 43-46. 1935.
- HOUSER, J. S. The tomato fruit worm problem. Ohio Veg. Growers Assoc. Proc. 20(1935): 27-34. 1935.
- KNOOP, C. E., KRAUSS, W. E., and WASHBURN, R. G. The development of nutritional anemia in dairy calves. Jour. Dairy Sci. 18(5): 337-347. May 1935.
- SLEESMAN, J. P. Controlling insects on muck crops. Ohio Veg. Growers Assoc. Proc. 20(1935): 130, 132, 134, 136. 1935.
- WILSON, J. D. Bordeaux mixture substitutes on cucurbits. Ohio Veg. Growers Assoc. Proc. 20(1935): 8-14. 1935.
- WILSON, J. D. Improving the stands of vegetables on muck. Ohio Veg. Growers Assoc. Proc. 20(1935): 144, 146, 148, 150, 152. 1935.
- YOUNG, H. C. Experiments in reducing the lime content of bordeaux. Ohio Veg. Growers Assoc. Proc. 20(1935): 70-72. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Oklahoma

DUNCAN, O. D. The fusion of white, negro, and Indian cultures at the converging of the new South and West. Amer. Sociol. Soc. [Proc.] (1933) v. 28: 111. [1934]

GALLUP, W. D., and REDER, R. The reaction between gossypol and calcium and its physiological importance. Jour. Biol. Chem. 109(2): xxxvi. May 1935.

Pennsylvania

FAGAN, F. N. Alternate bearing and its relation to orchard culture. Amer. Fruit Grower 55(5): 10, 22, 23. May 1935.

WELCH, R. C., and DOAN, F. J. The heat stability of evaporated milk made from hard-curd milk, soft-curd milk and milk from mastitis infected udders. Jour. Dairy Sci. 18(5): 287-294. May 1935.

Rhode Island

NORTH, H. F. A., and ODLAND, T. E. The relative seed yields in different species and varieties of bent grass. Jour. Amer. Soc. Agron. 27(5): 374-383. May 1935.

South Dakota

MOXON, A. L., and FRANKE, K. W. Effect of certain salts on enzyme activity; effect of sodium selenate, selenite, selenide, tellurite, sulfate, sulfite, sulfide, arsenite, and vanadate on rate of carbon dioxide production during yeast fermentation. Indus. and Engin. Chem. 27(1): 77-81. Jan. 1935.

Tennessee

SHAW, W. H., and MacINTIRE, W. H. The determination of absorbed bases by boiling with ammonium chloride and the utility of the procedure in related soil investigations. Soil Sci. 39(5): 359-375. May 1935.

Texas

REYNOLDS, E. B., and STANSEL, R. H. Effect of fertilizers on the length of cotton fiber. Jour. Amer. Soc. Agron. 27(5): 408-411. May 1935.

Utah

MADSEN, D. E., and KNOWLTON, G. F. Mosquito transmission of equine encephalomyelitis. Jour. Amer. Vet. Med. Assoc. 86(5): 662-666. May 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Virginia

HURT, R. H. Honeysuckle as an orchard pest and its eradication. Va. Fruit
23(5): 18. May 1935.

Washington

GAINES, E. F. Primary considerations in developing new wheats in Washington.
Northwest Sci. 9(2): 8-12. May 1935.

West Virginia

THURSTON, L. M., BROWN, W. C., and DUSTMAN, R. B. Oxidized flavor in milk.
I. The probable relation of lecithin to oxidized flavor. Jour. Dairy Sci.
18(5): 301-306. May 1935.

Wisconsin

- BRINK, R. A. Linkage relations in the A-Rg group in maize. Amer. Nat.
69(772): 283-285. May-June 1935.
- COOK, R. L. Divergent influence of degree of base saturation of soils on the
availability of native, soluble, and rock phosphates. Jour. Amer. Soc.
Agron. 27(4): 297-311. April 1935.
- IROSDOFF, M., and TRUOG, E. A method for removing and determining the free
iron oxide in soil colloids. Jour. Amer. Soc. Agron. 27(4): 312-317.
April 1935.
- ELVEHJEM, C. A. (With W. C. SHERMAN and A. ARNOLD, Univ. Wis.) The vitamin B
(B₁) content of animal tissues. Jour. Biol. Chem. 109(2): xxix-xxx. May
1935.
- GRABER, L. F. (With F. R. JONES, Univ. Wis.) Varietal survival of alfalfa on
wilt-infested soil. Jour. Amer. Soc. Agron. 27(5): 364-366. May 1935.
- McCARTER, J., and HASTINGS, E. G. The morphology of the mycobacteria. Jour.
Bact. 29(5): 503-513. May 1935.
- PHILLIPS, P. H., and HART, E. B. The effect of organic dietary constituents
upon chronic fluorine toxicosis in the rat. Jour. Biol. Chem. 109(2):
657-663. May 1935.
- STIRN, F. E., ELVEHJEM, C. A., and HART, E. B. Preliminary observations on
certain seasonal variations in the physical properties and nutritive value
of cow's milk serum. Jour. Dairy Sci. 18(5): 333-336. May 1935.

Wyoming

- DUNNEWALD, T. J. Solubility of soil phosphorus as affected by moistening
and drying basic soils. Jour. Amer. Soc. Agron. 27(5): 325-329. May
1935.
- LEE, A. M., and SCRIVNER, L. H. Stiff-lamb investigations; preliminary
report. Jour. Amer. Vet. Med. Assoc. 86(5): 644-655. May 1935.

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LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1935*

Delaware

Annual report of the Extension service in agriculture and home economics for the year ending November 30, 1934. C. A. McCue. (Del. Univ. Agr. Ext. Bul. 21.) Newark, 1935.

Georgia

Kudzu. E. D. Alexander. (Ga. Agr. Col. Ext. Bul. 356, rev.) Athens, 1935.
Terracing farm land in Georgia. G. I. Johnson and others. (Ga. Agr. Col. Ext. Bul. 394, rev.) Athens, 1935.
4-H livestock manual. R. E. Davis and others. (Ga. Agr. Col. Ext. Bul. 442, rev.) Athens, 1935.

Illinois

Paratuberculosis of cattle. (Johnes' disease) R. Graham and others. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 434.) Urbana, 1935.

Maine

Ice cream making on the farm. L. M. Dorsey and F. E. Blanchard. (Maine Agr. Col. Ext. Bul. 215.) Orono, 1935.

Massachusetts

Success with house plants. C. L. Thayer and A. M. Davis. (Mass. State Col. Ext. Leaflet 103 [rev.]) Amherst, 1935.

Minnesota

Pasture plants and pasture combinations. R. F. Crim and A. C. Arny. (Minn. Univ. Agr. Ext. Circ. 40, rev.) University Farm, St. Paul, 1935.
Boxelder bug. A. G. Ruggles. (Minn. Univ. Agr. Ext. Folder 52.) University Farm, St. Paul, 1935.
Planting the standard windbreak. P. O. Anderson. (Minn. Univ. Agr. Ext. Spec. Bul. 168.) University Farm, St. Paul, 1935.

Mississippi

Trench silos and silage. L. A. Higgins. (Miss. State Col. Ext. Bul. 71.) State College, 1935. Bibliography.
1935 agricultural outlook for Mississippi. Miss. State Col. Ext. [unnumbered] State College, 1934. (Mimeographed)

Missouri

Food and nutrition club; Supper and breakfast. F. L. Carl and J. Hinote. (Mo. Agr. Col. Ext. 4-H Club Circ. 44.) Columbia, 1934.

*Prepared in Office of Experiment Stations Library.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1935
(continued)

Nebraska

- Interesting facts regarding bovine tuberculosis. A. H. Francis. (Nebr. Agr. Col. Ext. Circ. 218, rev.) Lincoln, 1935.
- Feeding small grains to live stock. M. L. Baker and others. (Nebr. Agr. Col. Ext. Circ. 238.) Lincoln, 1935.
- The girl's room, a place to live. H. Noyes. (Nebr. Agr. Col. Ext. Circ. 11-01-2.) Lincoln, 1934. Bibliography.
- Problems in room improvement. H. Noyes. (Nebr. Agr. Col. Ext. Circ. 11-02-2.) Lincoln, 1934. Bibliography.
- The 1935 agricultural outlook for Nebraska. Nebr. Agr. Col. Ext. [unnumbered] Lincoln [1935] (Mimeographed)

Nevada

- 1935 Nevada agricultural outlook. (Nev. Univ. Agr. Ext. Circ. 4 [i.e. 5] Reno, 1935.

New Hampshire

- Apple spray program for 1935. (N. H. Univ. [Agr.] Ext. Circ. 163.) Durham, 1935.
- Brooder houses. A. E. Tepper and others. (N. H. Univ. [Agr.] Ext. Circ. 165.) Durham, 1935.
- The permanent 4-H home garden. J. R. Hepler and C. B. Wadleigh. (N. H. Univ. [Agr.] Ext. Junior Circ. 43.) Durham, 1934.

New Jersey

- The home atmosphere- its effect on children. (N. J. Agr. Col. Ext. Bul. 147.) New Brunswick, 1935.
- The cooperative family. (N. J. Agr. Col. Ext. Bul. 148.) New Brunswick, 1935.
- Do fathers enjoy their children? (N. J. Agr. Col. Ext. Bul. 149.) New Brunswick, 1935.
- Children's questions and parent's answers. (N. J. Agr. Col. Ext. Bul. 150.) New Brunswick, 1935.
- Helping children to meet life with courage. (N. J. Agr. Col. Ext. Bul. 151.) New Brunswick, 1935.
- Children's responsibilities. (N. J. Agr. Col. Ext. Bul. 152.) New Brunswick, 1935.
- Helping the quarrelsome child. (N. J. Agr. Col. Ext. Bul. 153.) New Brunswick, 1935.
- The family cow. E. A. Gauntt and J. W. Bartlett. (N. J. Agr. Col. Ext. Bul. 164.) New Brunswick, 1935.

New Mexico

- Canned fruits and vegetables. V. A. Strong. (N. Mex. Agr. Col. Ext. Circ. 130.) State College, 1934.
- Canning and curing meats. V. A. Strong and L. W. Weaver. (N. Mex. Agr. Col. Ext. Circ. 131.) State College, 1934.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1935
(continued)

New York

- List of publications for general distribution issued by the Cornell University ...
(N. Y. Agr. Col. (Cornell) Ext. Bul. 47, rev.) Ithaca, 1935.
Amateur flower shows. A. M. S. Pridham. (N. Y. Agr. Col. (Cornell) Ext. Bul. 316.) Ithaca, 1935.
The 4-H club boy: His clothes and his appearance. E. D. Nevin. (N. Y. Agr. Col. (Cornell) Junior Ext. Bul. 49.) Ithaca 1935.

North Dakota

- Livestock feeding under drouth conditions. F. W. Christensen and others. (N. Dak. Agr. Col. Ext. Circ. 126, rev.) State College Station, Fargo, 1935.
North Dakota durum. T. E. Stoa and H. E. Ratcliffe. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumbered]) State College Station, Fargo, 1935.

Ohio

- Lawns. G. H. McClure and others. (Ohio Agr. Col. Ext. Bul. 129, 3d ed. rev.) Columbus, 1935.
Garment construction. E. M. Callahan. (Ohio Agr. Col. Ext. Bul. 155.) Columbus, 1934.
The young child and his food. O. Hughes. (Ohio Agr. Col. Ext. Bul. 156.) Columbus, 1934. References.
Peach leaf curl. A. L. Pierstorff. (Ohio Agr. Col. Ext. Bul. 158.) Columbus, 1935.
4-H club member's book. Home furnishing I. Restful sleep and convenient dressing in the attractive room. A. Biebricher and H. Horst. (Ohio Agr. Col. Ext. 4-H Circ. 97, rev.) Columbus, 1934.
Living and growing. M. E. Gerlaugh and others. (Ohio Agr. Col. Ext. 4-H Circ. 100.) Columbus, 1934.
Reporting 4-H club news. W. H. Palmer. (Ohio Agr. Col. Ext. 4-H Circ. 101.) Columbus, 1935.
4-H nature II. Our birds. H. E. Eswine. (Ohio Agr. Col. Ext. 4-H Circ. 102.) Columbus, 1935.
Fowl pox. C. M. Ferguson. (Ohio Agr. Col. Ext. Poultry Pointers no. 23) Columbus, 1935.
What 1934 farm poultry records show. Analysis of farm poultry records for the year ending September 30, 1934. P. B. Zumbro. (Ohio Agr. Col. Ext. Poultry Pointers no. 24.) Columbus, 1935.

Oklahoma

- Carrying the A. & M. College to 164,000 Oklahoma farm homes. A report of the work of the Oklahoma Extension service for 1934. D. P. Trent. (Okla. Agr. Col. Ext. Circ. 315.) Stillwater, 1935.
4-H club horticultural manual. D. C. Mooring. (Okla. Agr. Col. Ext. Circ. 316.) Stillwater, 1935.
History and control of the boll weevil in Oklahoma. C. E. Sanborn and others. (Okla. Agr. Col. Ext. [Circ.] 318.) Stillwater, 1935.
An egg a day. D. I. Purdy and M. M. McPheeters. (Okla. Agr. Col. Ext. Circ. 319.) Stillwater, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1935
(continued)

Oregon

The school lunch. L. A. Case. (Oreg. Agr. Col. Ext. Bul. 478.) Corvallis, 1935.

Pennsylvania

Construction of small greenhouses. W. B. Nissley. (Penn. State Col. Ext. Leaflet 35.) State College, 1935.

Rhode Island

Rhode Island 4-H clubs: Clothing. D. Gatton. (R. I. State Col. Ext. Bul. 65.) Kingston, 1934.
Annual report Rhode Island State college, Extension service, 1934. G. E. Adams. (R. I. State Col. Ext. Bul. 66.) Kingston, 1935.
Rhode Island 4-H clubs: Health and food habits. L. F. Kinney, jr. (R. I. State Col. Ext. Bul. 67.) Kingston, 1935.
Spray program for apples. E. P. Christopher. (R. I. State Col. Ext. Circ. 8.) Kingston, 1935.

South Carolina

Looking ahead in dairying. C. G. Cushman and O. M. Clark. (Clemson Agr. Col., S. C., Ext. Circ. 141.) Clemson, 1935.

Texas

Intelligent care of fabrics. D. R. Barnes. (Tex. Agr. Col. Ext. [Circ.] C-103.) College Station, 1935.

Vermont

Good gardening in Vermont. Mrs. C. P. Brooks and others. (Vt. Agr. Col. Ext. Circ. 82.) Burlington, 1935.
Herbs-- their culture and use. C. P. Brooks and A. Graham. (Vt. Agr. Col. Ext. Circ. 83.) Burlington, 1935.

Washington

A septic tank for the farm home. (Wash. State Col. Ext. Bul. 200.) Pullman, 1935.
Hotbed construction, electric and manure types. C. L. Vincent and H. L. Garver. (Wash. State Col. Ext. Bul. 203.) Pullman, 1935.
4-H meal preparation club: Breakfast (First year). R. Russell. (Wash. State Col. Ext. 4-H Club Circ. 35.) Pullman, 1935.
Outlines for 4-H food clubs (for food club leaders). R. Russell. (Wash. State Col. Ext. 4-H Club Circ. 37.) Pullman, 1935.

West Virginia

Treating sheep for stomach and intestinal parasites. J. H. Rietz. (W. Va. Agr. Col. Ext. Circ. 308.) Morgantown, 1934.

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SELECTED LIST OF MINEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during May 1935, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Botany and human affairs. Address by A. F. Woods at 25th anniversary of Brooklyn botanical gardens, May 13, 1935. 7 p.

Conservation redefined. Address of Rexford G. Tugwell before the fiftieth anniversary of the founding of New York's forest preserve, Albany, N. Y., May 15, 1935. 10 p.

The issues behind the wheat referendum. Remarks of Henry A. Wallace broadcast during the National farm and home hour, May 23, 1935. 5 p.

The Joseph plan in modern America. Address by Henry A. Wallace, on the Washington Star radio forum, May 16, 1935. 12 p.

Licking the ghost of Alexander Hamilton. Remarks of Henry A. Wallace before a farm meeting at Alexandria, Louisiana, May 11, 1935. 10 p.

National significance of recent trends in farm population. An address by R. G. Tugwell before the Conference on population studies in relation to social planning, May 3, 1935. 12 p.

Where do we go from here; a radio talk by M. L. Wilson broadcast May 9, 1935. 3 p.

Which way America - landward or cityward; a radio discussion among Dr. Rexford G. Tugwell, Dr. L. C. Gray and Milton S. Eisenhower. March 5, 1935. 6 p.

Agricultural Adjustment Administration

Agricultural planning in a democracy. 1935. 9 p. (Discussion statement no. 20)
Adapted from a speech by Chester C. Davis before Nebraska organized agriculture meeting, Lincoln, Nebraska, Jan. 10, 1935.

Cotton and its problems. An address by Chester C. Davis before the American cotton shippers' association, New Orleans, La., April 26, 1935. 19 p.

Defending democracy. Address of Chester C. Davis before Annual journalism week banquet, School of journalism, University of Missouri, May 3, 1935. 17 p.

The farmers' tariff. Address by Cully A. Cobb over the Dixie network of the Columbia broadcasting system, April 27, 1935. 7 p. (Issued by Cotton Division)

*Bibliographies included in general list of bibliographies on page 207-8.

**For a list of the principal series issued regularly, see v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Agricultural Adjustment Administration

(Continued)

Food prices, the consumer and AAA problems. 1935. 11 p. (Discussion statement no. 19) Adapted from a statement issued by the Agricultural adjustment administration April 8, 1935.

Increasing the farmers' share of the national income. By Louis H. Bean. 1935. 8 p.

Instructional material related to Burley tobacco under the production adjustment program. 1935. 25 p.

Instructional material related to dark air-cured tobacco under the production adjustment program. 1935. 31 p.

Instructional material related to fire-cured tobacco under the production adjustment program. 1935. 26 p.

Instructions on compliance procedure under the sugar beet production adjustment contract. 1935. 6 p. (Issued by Sugar section)

The issue in the wheat referendum. Address by George E. Farrell at Enid, Oklahoma, April 30, 1935. 14 p. (Issued by Division of grains)

A plea for equality, by Chester C. Davis. April 13, 1935. 14 p.

Statement relative to grain imports July 1, 1934, to March 31, 1935, inclusive. 2 p. (Issued by Division of grains)

Bureau of Agricultural Economics

Average annual prices received by farmers for agricultural commodities 1934, with comparisons. 1935. 27 p. (Issued by Crop reporting board)

Brief review, marketing Louisiana strawberries - 1935 season. 1935. 3 p.

Brief review of the 1935 celery and tomato shipping season. May 15, 1935. 2 p. (Issued in cooperation with Florida State marketing bureau)

Carlot unloads of certain fruits and vegetables in 66 cities, 1934 (calendar year) 1935. 66 p. (Issued by Market news service)

Cost of production of dry beans. Statistical data for 8 states 1914 to 1934. Compiled from official sources by H. W. Hawthorne. 1935. 34 p. (Issued by Division of farm management and costs)

Cotton production in southern Brazil. By P. K. Norris. 1935. 25 p. (Issued by Foreign agricultural service)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics
(Continued)

- Current economic problems in agriculture. Publications of the Bureau of agricultural economics of interest to grange lecturers. May 1935. 2 p.
- The drought situation, May 1935. 1935. 4 p. (Based upon information gathered by the Bureau of agricultural economics and the Weather bureau)
- Farm population estimates, January 1, 1935. 1935. 8 p.
- Farm production and income from meat animals, 1930, 1931, 1932, 1933, and 1934. 1935. 49 p.
- Fruit crops review of 1934 season. Apr. 30, 1935. 37 p.
- Important facts about U. S. Grades for beans and federal bean inspection certificates, 1935. (Issued by Hay, feed and seed division)
- Interstate shipments of California deciduous tree fruits, season of 1934, by W. F. Cox, T. J. Fitzgerald, B. M. Bayer. Mar. 1935. 77 p. (Issued in cooperation with California dept. of agriculture, Bureau of market news)
- Interstate shipments of California grapes, season, 1934. By W. F. Cox, T. J. Fitzgerald, R. M. Bayer. 1935. 69 p. (Issued in cooperation with California department of agriculture. Bureau of market news)
- Marketing Imperial Valley cantaloupes; summary of 1934 season, by A. E. Prugh and L. T. Kirby. May 1935. 25 p. (Issued in cooperation with California dept. of agriculture, Market news service)
- Marketing Maine potatoes. Preliminary review of the 1934-1935 season. By A. M. McDowell. 1935. 18 p. (Issued in cooperation with Maine department of agriculture. Division of markets)
- Milk and cream consumption in cities and villages for 1934 and earlier years. 1935. 2 p. (Issued by Division of dairy and poultry products)
- Onions; a review on marketing western and central New York onions for the season, 1934-35. 7 p. (Issued in cooperation with New York state department of agriculture and markets)
- Quality of cotton linters produced in the United States, season 1933-34. By Victor R. Fuchs. A preliminary report. 1935. 18 p. (Issued by Division of cotton marketing)
- Review Idaho potato season 1934-35. 1935. 5 p.
- Summary 1935 potato season. Florida. 1935. 2 p. (Issued in cooperation with Florida state marketing bureau)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (Continued)

- Tax delinquency of rural real estate in 18 South Carolina counties, 1928-33. 1935. 15 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 15 Iowa counties, 1928-33. May 28, 1935. 14 p.
- Tax delinquency of rural real estate in 15 Wisconsin counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in four Arizona counties, 1928-33. 1935. 13 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 19 Missouri counties, 1923-33. 1935. 12 p. (Issued by Division of agricultural finance)
- United States standards for grades of barreled or bulk sauerkraut (effective May 2, 1935) 1935. 6 p.
- The world cotton situation. Foreign cotton production (Preliminary) 1935. V. P.

Bureau of Agricultural Engineering

- The agricultural situation in the irrigation states on April 1, 1935. 24 p. (Issued by Division of irrigation).
- An effective portable spray irrigation layout. By F. E. Staebner. 1935. 6 p. (Issued by Division of drainage)

Bureau of Animal Industry

- The analytical control of proprietary arsenical dips. By R. M. Chapin. 1935. 5 p. (Issued by Biochemic division)
- Bang's disease. By W. E. Cotton. 1935. 6 p.

Bureau of Biological Survey

- A year of refuge acquisition for the ducks. Radio talk by J. N. Darling, May 24, 1935. 3 p.
- Infectious diseases as a cause of loss in wildlife. By J. E. Shillinger. May 1935. 4 p. (Wildlife research and management leaflet BS-9)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Bureau of Chemistry and Soils

- Developments in farm and rural community fire prevention. Address by D. J. Price, before Firemen's school, Iowa state college, Ames, Iowa, May 23, 1935. 8 p. (Issued by Chemical engineering division)
- Dust explosion hazards during fire-fighting operations in grain-handling plants. Address by D. J. Price, at Firemen's school, Iowa state college, Ames, Iowa, May 22, 1935. 1935. 10 p. (Issued by Chemical engineering division)
- Frozen and dried eggs. Compiled by T. L. Swenson. 1935. 5 p. (Issued by Food research division)
- Report of the Committee on testing rye flour. 1935. 5 p.

Bureau of Entomology and Plant Quarantine

- The black widow spider. 1935. 4 p. (E-345) (Issued by the Division of insects affecting man and animals)
- The control of insects attacking apple and pear. By B. A. Porter. 1935. 7 p. (E-317 (revised)) (Issued by Division of fruit insects)
- Insect pest control for the amateur mushroom grower. By A. C. Davis. 1935. 6 p. (E-347) (Issued by Division of truck crop and garden insects)
- A method of applying insecticidal dusts quantitatively as a basis for cage tests of insecticides. By J. C. Elmore, Roy E. Campbell, and C. S. Gay. 1935. 3 p. (ET-45) (Issued by Division of truck crop and garden insect investigations)
- The prevention of infestations of insects and other pests in commercial mushroom houses. By A. C. Davis. 1935. 7 p. (E-340) (Issued by Division of truck crop and garden insect investigations)
- Recommendations for the control of insects attacking certain vegetables, small fruits, and tobacco, and the elimination of harmful insecticidal residues from the market product. 1935. 13 p. (E-343)
- Sulphur as an economical control for the cotton flea hopper. By K. P. Ewing and R. L. McGarr. 1935. 6 p. (E-348) (Issued by the Division of cotton insect investigations in cooperation with the Texas Agricultural experiment station)

Extension Service

- Abundant living for small towns and rural districts. By C. E. Smith. 1935. 4 p. (Miscellaneous extension publication no. 19) Talk given before National recreation association, Washington, D. C. Oct. 5, 1935. (Issued by Division of cooperative extension)
- Motion pictures of the United States department of agriculture. 1935. 38 p. (Issued by Division of motion pictures)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Extension Service (Continued)

Objectives and suggested procedure for the AAA farm record project, 1935.
Prepared by L. M. Vaughan. 1935. 10 p. (Issued by Division of cooperative extension)

Some horticultural extension results in 1934. By C. P. Close. 1935. 9 p.
(Miscellaneous extension publication 16)

Forest Service

Fourteenth annual report of the Southern forest experiment station, New Orleans, La. Jan. 1, 1934-Dec. 31, 1934. 1935. 43 p.

Grain Futures Administration

Governmental regulation of the commodity exchange. By J. M. Mehl. 1935. 12 p.
(Address, School of commerce, Northwestern university, Chicago, Ill., April 24, 1935)

Bureau of Plant Industry

Report of committee on state and national experimentation of the American institute of refrigeration. By D. F. Fisher. 1935. 9 p. (Issued by Division of fruit and vegetable crops and diseases)

The sunflower: its culture and uses. By A. F. Sievers. 1935. 5 p. (Issued by Division of drug and related plants)

Why fruit trees fail to bear. By H. P. Gould. Revised 1935. 6 p. (Issued by Division of fruit and vegetable crops and diseases)

Wild morning-glory, bindweed, or creeping jenny. By L. W. Kephart. 1935. 2 p.
(Issued by Division of forage crops and diseases)

Soil Conservation Service

Prevention and control of wind erosion of high plains soils in the panhandle area. By H. H. Finnell. 1935. 22 p.

The trial of a soil robber. A mock court procedure suitable for presentation in project area no. 15 of the U. S. Soil erosion service. 1935. 20 p.

Office of the Solicitor

Government regulation of livestock commission rates. An address by Seth Thomas before the National livestock exchange, at Cincinnati, Ohio, May 3, 1935. 16 p.

Weather Bureau

Eleven-month weather sequences. By Charles D. Reed. 1935. 3 p.

RESEARCH AND THE LIBRARY

The following article on "Research and the Library," by Dr. J. L. Berry, Lecturer in Physiology, and Dr. Wilfred Bonser, Librarian, University of Birmingham, which appeared in *Nature* for April 27, 1935 (v. 135, no. 3417, pp. 664-665), is included in *Agricultural Library Notes* because of its special interest to agricultural librarians:

The enormous output of research today which finds its way into scientific and medical periodicals has produced a problem both for the research worker and the librarian. The former finds it impossible to read everything now being published, and the latter finds the cost growing more and more prohibitive quite apart from the amount of shelf room required each year for housing.

The recent campaign conducted in the United States and England against the exorbitant cost of German scientific and medical periodicals has resulted not only in a reduction in prices, but also in a reduction in bulk of the publications themselves. There has long been a well-founded complaint against the unnecessary amount of matter published, for the usual practice was to include in each article not only the original contribution to research but also a lengthy résumé of the whole subject, which was, or at least should have been, already known to readers. The price reduction has been secured by the beneficial excision of this superfluous matter.

From our point of view, further reforms are necessary and we put forward the following as conducive to clarity, economy of cost, bulk, and library storage room.

1. It has long been the practice of chemical journals to accept only new matter, and this cut down to the briefest account. This principle can be adopted with advantage in other scientific subjects. The modern tendency of the young research worker to be judged upon the number of his papers rather than their quality swells the amount of printed matter. Ruthless editing of immature work and refusal of partial results of a research would lead to the increased reputation of the worker which would be acquired by one complete and authoritative paper. Most journals do not make full use of their competent editorial boards, who must co-operate with the contributor and the publisher to attain this desirable objective.

2. Much space is occupied by a long list of references to previous authors, and many of these can be eliminated by a single reference to what we term a "key paper". Where a good paper on the subject with a full historical bibliography has already been published (for example, in Physiological Reviews, or a monograph) this could be quoted in lieu of repetition, papers subsequent to this only being cited. Such "key references", in these days of specialisation within subjects, inflict no hardship upon the interested reader and would avoid the full list of references being given every time.

The "key reference" would reduce the long preamble setting forth the reasons for undertaking the particular line of research, and would yield a concise statement of method and results.

Failing a ready-made "key paper", the complete and authoritative paper previously mentioned would thereupon automatically become the "key paper" on that particular subject.

RESEARCH AND THE LIBRARY
(continued)

3. Abstracting journals are published mainly in English and in German, and it cannot be claimed that both are essential. Where a full abstracting service is available in one language (for example, in the Ber. ges. Physiol.) this should adequately cover the field and absorb or replace all others. It is no longer a valid excuse that German is not known by English-speaking workers, as a working knowledge of both languages is part of a scientist's equipment.

If a full abstracting service does not exist for a subject, we recommend the excellent system adopted by the Royal Microscopical Society, which publishes, as an appendix to each part of its journal, abstracts from articles appearing in other journals on cognate subjects. If this practice were made a general one, a saving in bulk and binding would accrue. For example, the Physiological Society by printing its abstracts in the Journal of Physiology might (although slightly enlarging the size of the journal) eliminate its second periodical, Physiological Abstracts. If the Society did not adopt this procedure, which we term "telescoping", it might save space by excluding all abstracts from articles in its own Journal of Physiology.

4. "Telescoping" could usefully be employed in removing redundant publications. The American Journal of Physiology could coalesce with the Journal of General Physiology, the gain being the heightened standard of the articles.

Some societies, including the Royal Society of Arts and the Royal Society of Medicine, print papers in extenso in their journals when a résumé would usually be preferable; they also print verbatim the vote of thanks proposed by the chairman (the inclusion of which is tedious and unnecessary), as well as the ensuing debate. Excision of these would reduce the journals in question from unwieldy tomes to volumes of handy size.

The instructions for the reduction of bulk which were issued by the firm of Springer for their periodicals have already been abstracted in NATURE (132:34, July 1, 1933); these might serve as a model in Great Britain and the United States.

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PUBLICATION OF DR. A. C. TRUE'S MANUSCRIPT

It is stated in the Proceedings of the 48th Annual Convention of the Association of Land-Grant Colleges and Universities, which has recently been published, that "the matter of securing publication of Dr. A. C. True's manuscript on the History of the Experiment Station Movement was discussed at the last meeting. Upon motion it was voted that the Office of Experiment Stations be requested to contact with the several executive officers of the agricultural colleges with a view to obtaining funds for the publication of the manuscript."

As this manuscript is an important contribution to the history of agricultural research in the United States and contains much reference material it is hoped that agricultural librarians will interest themselves in helping to obtain funds for its publication. The manuscript is on file in the U. S. Department of Agriculture Library.

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PROGRESS REPORT ON THE BIBLIO-FILM SERVICE

The Biblio-Film Service operating in the Library of the United States Department of Agriculture was inaugurated in November 1934 with the assistance of Dr. Atherton Seidell of the National Institute of Health, and Dr. R. H. Draeger of the Medical Department of the U. S. Navy. Full details as to how it happened to be started are given in an article by Dr. Seidell, entitled "Filmstat copies of scientific publications", which appeared in Science for February 15, 1935, pages 174-176. Brief articles in regard to the service have also appeared in the Journal of Industrial and Engineering Chemistry, News edition, vol. 13, no. 8, April 20, 1935, p. 179, and Camera, vol. 50, no. 5, May 1935, p. 327-328.

The work of looking up the references has been done in the Readers' Division of the Library by Miss Corabel Bien, Assistant Reference Librarian. The photographic work has been in charge of Mr. Charles E. Wright. Since the service has now been in operation for seven months, a brief report of progress may be of interest.

The main objects of the service are (1) to decrease interlibrary loans of books by supplying directly to individuals copies of scientific articles particularly those contained in periodicals, and (2) to extend the use of the resources of the Library to isolated scientific workers without adequate library facilities. The records of the use of the service during the past seven months show that it has been quite successful in fulfilling its purpose for it has unquestionably reduced the number of books to be sent out of town on interlibrary loans, and in addition many firms and individuals are now making use of the Library's resources that had not used it previous to the inauguration of the film service.

In the past seven months film copies have been sent to 42 different land grant colleges and universities and to 7 experiment stations, representing in all 41 different states. In addition, film copies have been sent to 40 other colleges and institutions, to 7 public libraries, to 4 state departments, to 16 scientists connected with government offices, to 35 commercial firms and to 14 private individuals. Outside of the United States, film copies have been sent to one institution in Hawaii, one in Puerto Rico, and one in the Philippine Islands, and to 14 institutions and individuals in foreign countries. Of the institutions and individuals in foreign countries that have made use of the service, 11 were in Canada. The total number of different institutions, firms and individuals using the service has been 182.

In the following table is given the number of pages copied for the period November 15, 1934, to May 1935. From this table it will be seen that there has been a steady increase in the use of the service.

	1934		1935				
	Nov.*	Dec.	Jan.	Feb.	Mar.	Apr.	May
Agr. colleges, expt. stations.	210	334	483	460	540	1406	478
Other colleges, universities, etc.	84	154	78	183	518	403	962
Govt. institutions, individuals	82	46	65	6	168	86	407
State offices					15	17	13
Commercial firms	65	40		88	124	1626	4474
Individuals			994	573	1190	611	145
Insular possessions, institutions, individuals					40	129	11
Foreign institutions, individuals	29	9	23	12	218	337	107
Total	470	583	1643	1322	2813	4615	6597

*Nov. 15-30

PROGRESS REPORT ON THE BIBLIO-FILM SERVICE
(continued)

By far the greatest number of requests received for film copies is for periodical articles. For the months of November to April no statistics are available showing the number of requests for periodical articles and the number of requests for books but statistics giving this information have been compiled for May. These show that out of the 351 items requested only eight were books. The majority of the articles were less than 10 pages in length.

With only a few exceptions the use made of film copies has been in lieu of interlibrary loans. In this connection it should perhaps be brought out that film copies make it possible to supply articles from current periodicals whereas the periodicals themselves could not be sent out on interlibrary loans because they are in frequent use in the Department. One institution in Hawaii requested a film copy of a complete volume of a periodical which was out of print and difficult to obtain. This is the only request of this kind which has been received.

It has been somewhat surprising that so many institutions, firms and individuals have wanted to make use of the service in spite of the fact that satisfactory projectors specially designed for the use of film copies of publications are not yet available. A number of those who have requested film copies seemed to be content in the meantime to use dissecting or binocular microscopes. Some have had the articles enlarged by commercial photographers or by their own laboratories. However, the equipment ordinarily available in the laboratories of photographic concerns is not well adapted to making enlarged prints of film copies. One individual who has made use of film copies reported that he used the following method for making enlarged prints:

"I have attempted to enlarge my films and have had very good success with the few I have tried. I merely removed the back from my camera which is an Autographic Kodak Junior Number 1 taking a film 2 1/4 x 3 1/4 having an F 7.7 lense (anastigmat). I mounted a piece of wood on the back with a slot for the film (movie film) - also provided the opening for the light to pass through the film. I then mounted the camera on a box painted dull white inside containing a strong light - thus diffused light passed through the negative. (Direct light should not come from the bulb - merely diffused light). The negative was then focused on a wall (about 3 feet away). Thumb tacks were placed on the wall so that enlarging paper could be placed on the wall. The paper used was a bromide paper which is much more sensitive than paper used for printing negatives. With a photo flood light 8 seconds exposure was required. The "photo stats" thus produced (about 4 x 5 inches) can be easily read and are quite sharp. With the set up in proper working order I believe one could enlarge 100 of these in an evening if one had a helper."

In the beginning it was feared that the prices at which it was tentatively decided to provide the film copies might be too low. The records of cost during the past seven months indicate that the rates specified, namely, ten cents for each article not exceeding ten pages in length, and five cents for each additional ten pages or fraction thereof, of the same article, are sufficient to cover the actual cost of the film, the time of taking the photographs, the chemicals, and the work of developing the films. During this experimental period they have not covered the cost of keeping the records and

PROGRESS REPORT ON THE BIBLIO-FILM SERVICE
(Continued)

the correspondence but this clerical cost may be materially lessened later after the procedure has been better established. Even the present clerical costs are probably no greater than those connected with the lending of books, such as the cost of charging and discharging and correspondence. In the case of film copies, no follow-up work is required in requesting their return as they become the property of the persons requesting them. Since it is felt that the full purpose of the service can be attained only if the cost of the film copies is kept low, it is hoped to be able to continue the present rates. It was never intended that the cost of looking up the references or getting the books from the shelves should be added to the cost of the film copies as no charge would be made for the service if the person requesting the references visited the Library in person.

On the whole the experience of the past six months seems to indicate that the service can be continued at the present rates, that it meets a real need in the scientific field, and that the use of the service will probably increase, particularly when suitable projectors become available at a reasonable price. In the meantime the simple magnifier which is now available permits direct reading of the printed matter. It costs \$8.00 with handle, standard, and shade for the eye, or \$5.00 for the magnifier alone.

Claribel R. Barnett,
Librarian.

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SELECTED REFERENCES ON FILM REPRODUCTION

Compiled by
James F. Kinsella

- BARNETT, C. R. Information in regard to the Biblio-Film service operating in the Library of the U. S. Department of Agriculture, Washington, D. C. Agr. Libr. Notes. 10: 73-74. Feb. 1935.
- BENDIKSON, L. How long will reproductions on 35- millimeter film last? Libr. Jour. 60: 143-145. Feb. 15, 1935.
- Miniature libraries. New York Times. 82(27,574): sec. 8, p. 5, July 23, 1933.
- Phototechnical problems: Some results obtained at the Huntington library. Libr. Jour. 57: 789-794. Oct. 1, 1932.
- The place of photography in the reproduction and preservation of source material. Libr. Jour. 59: 548-549. July 1934.
- When filing cards take the place of books. Libr. Jour. 58: 911-913. Nov. 15, 1935.
- BINKLEY, R. C. New tools for men of letters. Yale Rev. 24: 519-537. Spring, 1935.
- BJORKBOM, C. Stockholm's new photograph apparatus. Libr. Jour. 58: 316-317. Apr. 1, 1933.
- BROWN, K. Newspapers on films. Libr. Jour. 59: 471. June 1, 1931.
- CARPENTER, F. I. The photographic reproduction of rare books. Bibliog. Soc. Amer. Papers. 25: 35-46. 1921.
- CASE, C. Z. Film files would outlast newsprint. Editor and Publisher 66(24 sec. 2): p. III. Oct. 28, 1933.
- DUBOIS, I. New photographic aid to library research. Libr. Jour. 57: 229-230. Mar. 1, 1932.
- FICKLEN, J. B. Copying manuscripts on motion picture films. Science. 80 210. Aug. 31, 1934.

SELECTED REFERENCES ON FILM REPRODUCTION
(Continued)

- [Filmstats] Amer. Botanist. 41: 78-80. Apr. 1935.
Filmstats. Indus. and Engin. Chem. News ed. 13: 179. Apr. 20, 1935.
The government filmstrips. (Editorial) Camera. 50: 327-328. May 1935.
HARTSELL, E. Pictures unite great libraries. News and Observer, Raleigh, N. C. 139(57): 5. Aug. 26, 1934.
HENRY, E. A. Books on film: their use and care. Libr. Jour. 57: 215-217. Mar. 1, 1932.
----- Films versus books. Libr. Jour. 58: 237-240. Mar. 15, 1935.
----- Newspapers on films. (Editorial) Libr. Jour. 59: 468. June 1, 1934.
JOHNSON, R. P. The use of a 35-millimeter camera in European libraries. Libr. Jour. 60: 293-295. Apr. 1, 1935.
KIMBERLY, A. E., and SCRIBNER, B. W. Summary report of the Bureau of Standards research on preservation of records. 27p. Washington, Gov't print. off., 1934. (U.S. Dept. Com. Bur. Standards. Misc. Pubs., no. 144)
KIRHLMAN, A. F. Are we ready to preserve newspapers on films? (A symposium) Libr. Quart. 5: 189-214. Apr. 1935.
MARTIN, T. P. Films and research (Editorial) Libr. Jour. 59: 702. Sept. 15, 1934.
Newspapers on film. New York Pub. Libr. Bul. 38: 439-440. June 1934.
SCHELLENBERG, T. R. Library applications of micro-copying. Libr. Jour. 60: 289-292. Apr. 1, 1935.
SEIDELL, A. The Berthelot centenary and the resulting international efforts to advance chemistry. Science. 67: 497-499. May 18, 1928.
----- Film-strip copies of scientific publications. Science 81: 174-176. Feb. 15, 1935. (Reprinted in Agr. Libr. Notes 10: 68-73, Feb. 1935. With "Supplementary remarks to the foregoing article", by Atherton Seidell)
----- The photomicrographic reproduction of documents. Science 80: 184-185. Aug. 24, 1934.
----- Reforms in chemical publications (Documentation) Science 80: 70-72. July 20, 1934.
What part has the film to play? (Editorial concerning speech by H. M. Lydenberg, speaking for the Joint Committee on materials for Research at the A.L.A. Conference, Chicago, 1933) Libr. Jour. 60: 62. Jan. 15, 1935.
WINTERICH, J. T. Ultimate worm turn. Sat. Rev. Lit. 11: 543. Mar. 9, 1935.

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WILLIAM PARKER CUTTER

Word has been received of the death of Mr. William Parker Cutter, in Boston on May 22, 1935. Mr. Cutter was librarian of the U. S. Department of Agriculture from September 1893 to December 1900. He was the first librarian of the Department to be appointed under the Civil Service. Immediately after his appointment, he appointed as assistant librarian, Miss Josephine A. Clark, a graduate of Smith College and the New York State Library School, who at the time was serving as botanical bibliographer in the Division of Botany of the Department. Mr. Cutter and Miss Clark together reorganized the Library, introduced modern library methods, built up the staff with trained library assistants, and established the policies under which the Library has since been operating. Under Mr. Cutter's direction the Library began to develop rapidly and to assume an important position among scientific libraries. He was successful in obtaining increased appropriations and in establishing exchange relations with scientific institutions all over the world. He also began the publication of a library bulletin and the issue of a series of bibliographies. In 1898, he initiated the project of issuing printed cards for publications of the Department, the Department being the first institution to make available printed cards for its own publications.

Under his administration, the system of bureau libraries was inaugurated, the first branch library with a trained assistant in charge being established in the Bureau of Animal Industry.

Mr. Cutter resigned on January 1, 1901, to become chief of the Order Division of the Library of Congress. He later held other important library positions. At the time of his death he was librarian of the Bermuda Biological Station. The following tribute to his services to that institution is contained in an article about him by Edwin G. Conklin in Science for June 14, 1935.

In his last years Mr. Cutter's health was frail, and he sought relief from the extremes of the New England climate in the more equable climate of Bermuda, where he was appointed librarian of the new Bermuda Biological Station for Research. His most important service at the Bermuda Station consisted in planning and supervising the conversion of an unused power house, near the main building, in a well-lighted, commodious and fireproof library building and in equipping this and transferring to it the publications from the crowded quarters in the main building. On March 30 last the new library was formally opened by His Excellency, the Governor of Bermuda, in the presence of a distinguished company of scientists, officers and trustees of the station and other invited guests, and on that occasion tribute was paid to Mr. Cutter by the director of the station, Dr. J. F. G. Wheeler, the senior trustee in Bermuda, Honorable F. Goodwin Gosling and by Mr. Paul Vanderbilt, librarian of the Pennsylvania Museum of Art, a former pupil and associate of Mr. Cutter, who called him one of the greatest librarians of the United States. Mr. Cutter was present and took part in the formal opening of the library, and it is a source of gratification to his many friends that he lived to see the consummation of his plans for the new library and to receive the tributes which were paid to him on that occasion."

Mr. Cutter was born in Washington, D. C., on December 19, 1867. He graduated from Cornell University in 1888 and, at the time of his appointment as librarian of the Department, was a chemist at the Utah Agricultural Experiment Station. He had a remarkable aptitude for languages, an extraordinary facility in uncovering sources of information, and was a librarian of deep and varied scholarship. The Library of the Department owes to Mr. Cutter a great debt.

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OBERLY MEMORIAL PRIZE: SIXTH AWARD

The American Library Association, Bulletin vol. 29, no. 6, June, 1933, contains the following report on the award of the Sixth Oberly Memorial Prize, presented by the Chairman of the Oberly Memorial Fund Committee:

"We have the honor of submitting the following report of the sixth award of the Oberly Memorial Prize for the best bibliography in the field of agriculture or the natural sciences submitted to the committee during the biennium, 1933-34.

"The prize has been awarded to L. O. Bercaw, A. M. Hannay, and E. M. Colvin [of the Bureau of Agricultural Economics Library, U. S. Department of Agriculture] for their Bibliography of Land Settlement. An honorable mention has been awarded to M. F. Warner, M. A. Sherman and E. M. Colvin [of the Bureau of Plant Industry Library, U. S. Department of Agriculture] for their Bibliography of Plant Genetics, and to J. I. Otero for his Café Bibliografía clasificada y parcialmente anotada.

"The bibliography submitted by Cornelia Notz was considered by the committee as an excellent piece of work but not within the scope of the prize.

"The following bibliographies were submitted in competition for the prize:

Bercaw, L. O., Hannay, A. M., and Colvin, E. M. Bibliography of land settlement.

Hannay, A. M., Coult, M., and Crans, L. (Bibliography of) Measures taken in foreign countries to relieve agricultural indebtedness.

Hitz, V. E. Business in agriculture, 1920-33; a partial bibliography.

Jacobs, Katherine. (Bibliography of) Farm mortgages in the United States.

Notz, C. The tariff; a bibliography.

Olcott, M. T. Agricultural relief; a selected and annotated bibliography.

Olcott, M. T., and Bercaw, L. O. (Bibliography of) State measures for the relief of agricultural indebtedness in the United States, 1933-1934.

Otero, J. I. Café bibliografía clasificado y parcialmente anotado.

Otero, J. I., and Cook, M. T. Partial bibliography of virus diseases of plants.

Turner, C. W. Bibliography on the anatomy of the mammary glands of domestic and laboratory animals with special reference to dairy cattle.

Warner, M. F., Sherman, M. A., and Colvin, E. M. A bibliography of plant genetics.

"One copy of each bibliography submitted has been deposited in the U. S. Department of Agriculture Library, in Washington, as has been the custom in the past. The next award will be made for bibliographies submitted to the committee before January 1, 1936."

The present personnel of the Oberly Memorial Fund Committee is as follows: Mr. Gilbert H. Doane, Librarian, University of Nebraska, Chairman; Miss Jessie M. Allen, Librarian, Bureau of Plant Industry; Mr. William H. Carlson, Librarian, University of North Dakota; Miss Cora L. Feldkamp, Librarian, Office of Experiment Stations; Mr. Willard P. Lewis, Librarian, Pennsylvania State College; Mr. Jackson E. Towne, Librarian, Michigan State College.

DUPLICATES OFFERED FOR EXCHANGE

- American association for the advancement of science. Committee of the Botanical club. List of pteridophyta and spermatophyta growing without cultivation in Northeastern North America. New York, 1893-1894.
- Arthur, J. C., Barnes, C. R., and Coulter, J. M. Handbook of plant morphology. New York, Holt, 1904.
- Howard, Albert, and Howard, G. L. C. Wheat in India, its production, varieties and improvement. Calcutta [1909]
- Keeble, Frederick. Fertilizers and food production on arable and grassland. London, 1932.
- McAlpine, D. The smuts of Australia. Melbourne, Victoria, Dept. of Agriculture, [1910]
- Viala, P., and Ravaz, L. American vines. Complete translation of the second edition, by Raymond Dubois and E. H. Twight. San Francisco, 1903.
- Weaver, J.E. Root development in the grassland formation. Washington, Carnegie Institution, 1920.

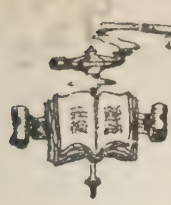
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LOST BOOKS


The following books cannot be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main Library (Tel. Branch 627; Room 1044).

- American pharmaceutical association. Proceedings. v. 50. 1902.
- Clements and Shear. Genera of fungi. Ed. 2. copy 7.
- Statutes at Large. v. 43. pt. 1. 1925.
- U. S. Department of Agriculture. Farmers' bulletins. 1126-1150.

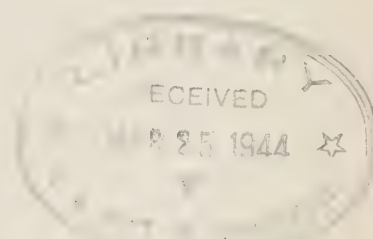
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PRINCIPAL LIBRARY ACCESSIONS

Adulterations

KALLET, A. Counterfeit - not your money but what it buys. New York, Vanguard, 1935.

Agricultural colonization

WILKANSKY, Y. Rational planning of agricultural settlement in Palestine, by J. Elazari-Volcani [pseud.] Jerusalem, Keren Hayesod, 1935.

Botany

KEW. ROYAL GARDENS. Hand-list of trees and shrubs (excluding Coniferae) Ed. 4. London, 1934.

STEELE, C. C. An introduction to plant biochemistry. London, Bell, 1934.

Buying

KAUFMANN RESEARCH FOUNDATION. A series of eleven radio talks on science in buying, by H. B. Meller and others. Pittsburgh, 1934.

Chemistry, Drugs

AMERICAN MEDICAL ASSOCIATION. COUNCIL ON PHARMACY AND CHEMISTRY. Useful drugs. Edited by R. A. Hatcher and C. Eggleston. Ed. 9. Chicago, 1934.

FRANKLIN, F. C. The nitrogen system of compounds. New York, Reinhold, 1935. (American chemical society. Monograph series, no. 68)

MAER, H. Der Wasserhaushalt des gesunden und kranken menschen. Berlin, Springer, 1935. (Monographies aus dem gesamtgebiet der physiologie der pflanzen und der tiere. bd. 33)

RICE, F. O., and RICE, K. K. The aliphatic free radicals. Baltimore, Johns Hopkins, 1935.

Children

WOODS, L. M. Your new baby; how to prepare for it and care for it. New York, McBride, 1935.

City planning

COVINGTON, Ky. CITY PLANNING AND ZONING COMMISSION. Comprehensive plan for Covington, Kentucky and environs. L. Segoe consulting engineer and city planner, Cincinnati, Ohio. [Cincinnati, 1932?]

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Concrete

GIESE, H. A practical course in concrete. Chicago, Portland cement association, 1934.

Dairying

BURKE, A. D. Practical dairy tests and fundamentals of dairying. Milwaukee, Olsen, 1935.

Dictionaries

SELL, L. L. Pan-American dictionary & travel guide. New York, International dictionary co., 1935.

Domestic animals

ASH, E. C. Puppies. New York, Macmillan, 1934.

LINK, P. Sheep breeding and wool production in the Argentine Republic. Buenos Aires, 1934.

NOTGEMEINSCHAFT DER DEUTSCHEN WISSENSCHAFT. Tierzuchtforschung. Berlin, 1934.
(Deutsche forschung, hft. 26)

Economics

BRUCK, W. F. The road to planned economy; capitalism and socialism in Germany's development. Cardiff, University press board, 1934.

DUNCAN, W. G. K., ed. National economic planning. Sydney, Angus & Robertson in conjunction with the Australian institute of political science, 1934.

DUNN, A. The compass; an economic guide in the machine age. Miami Beach, Fla., 1934.

DUNN, W. It's up to you. San Francisco, 1934.

FISCHER, L. Soviet journey. New York, H. Smith and R. Haas, 1935.

GARSINE, A. H. Cotton goes to market; a graphic description of a great industry. New York, Stokes, 1935.

MONTEVIDEO. UNIVERSIDAD. FACULTAD DE AGRONOMIA. ESTACIÓN EXPERIMENTAL DEL FRÍO. ENSEÑANZA EXTENSIVA. Resultados de un ensayo de exportación a Hamburgo de naranjas del Depart. del Salto (antecedentes y documentos) por P. Menendez Lees. Montevideo, 1935.

PIGOU, A. C. Economics in practice. London, Macmillan, 1935.

SEF, H. E. The economic interpretation of history. Translation and introduction by M. M. Knight. New York, Adelphi, 1929.

SCULE, G. H. The coming American revolution. London, Routledge, 1934.

THORNTWHAITE, C. W. Internal migration in the United States. Philadelphia, 1934. (Study of population redistribution. Bulletin no. 1. Industrial research department, Wharton school of finance and commerce, University of Pennsylvania)

WHITE, L. D. Government career service. Chicago, University of Chicago press, 1935. (Studies in public administration. v. 3)

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Economics, Agricultural

- BASTIEN, P. Les organismes corporatifs agricoles. Paris, Domat-Montchrestien, 1934.
- BRITNELL, G. E. The western farmer. Toronto, 1934. (The Machine age series. Pamphlet no. 6, Social service council of Canada)
- ELMHIRST, L. K. Trip to Russia. New York, New republic, 1934.
- GT. BRIT. UNITED KINGDOM SUGAR INDUSTRY INQUIRY COMMITTEE. Report. London, 1935. (Parliament. Papers by command. Cmd. 4871)
- INTERNATIONAL LABOR OFFICE, GENEVA. L'exode rural en Allemagne; résultats d'un voyage d'étude fait par le dr. H. Böker et F. W. v. Bülow dans les provinces de Poméranie et de Saxe et dans l'état libre de Saxe. Rome, 1933.
- JOSEPH, S. History of the Baron de Hirsch fund. Philadelphia, Jewish publication society, 1935.

Engineering

- ADDISON, H. A text book of applied hydraulics. New York, Wiley, 1934.
- BABBITT, H. E. Sewerage and sewage treatment. Ed. 4. New York, Wiley, 1932.
- BRUMFIELD, R. C. The solution of statically indeterminate structures by transmission coefficients. New York, Brumfield, 1933. Mimeographed.
- FAIRES, V. M. Design of machine elements. New York, Macmillan, 1934.
- FRANKLAND, F. H. Suspension bridges of short span. New York, American institute of steel construction, 1934.
- HICKERSON, T. F. Structural frameworks. Chapel Hill, University of North Carolina press, 1934. Lithoprinted from typewritten copy.
- SHPEHERD, H. F. Diesel engine design. New York, Wiley, 1935.
- THOMAS, H. A. The hydraulics of flood movements in rivers. Pittsburgh, Carnegie institute of technology, 1934.
- WATERMAN, E. L. Elements of water supply engineering. New York, Wiley, 1934.

Entomology

- FAZZINI, L. D. Butterflies and moths of America. Racine, Wis., Whitman, 1934.
- FERNALD, H. T. Applied entomology. Ed. 3. New York, McGraw-Hill, 1935.
- HEMMING, A. F. The generic names of the holarctic butterflies. v. 1. London, Trustees of the British museum, 1934.
- KUHTREIBER, J. Die plekopterenfauna Nordtirols. Innsbruck, 1934. Sonderabdruck aus den Berichten des Naturwissenschaftlich-medizinischen vereines in Innsbruck, 43./44. jahrg. (1931/32-1933/34)
- NORRIS, D., and others. Lac and the Indian lac research institute. Indian lac research institute, Nankun, Ranchi, Bihar and Orissa, India. Calcutta, 1934.
- WIGGLESWORTH, V. G. Insect physiology. London, Methuen, 1934.

Field crops

- BOWDIDGE, E. The soya bean, its history, cultivation (in England) and uses. London, Oxford university press, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Finance

- AYRES, L. P. The chief cause of this and other depressions. Cleveland, O., Cleveland trust company, 1935.
- EDER, G. J. The mechanics of managed currency, by G. J. Eder for the Committee for the nation. New York, 1935.
- HAYEK, F. A. von. Prices and production. Ed. 2. London, Routledge, 1935. (Studies in economics and political science. no. 107 in the series connected with the London school of economics and political science)

Food, Cookery

- BURKE, A. D. Practical ice cream making and practical mix tables. Milwaukee, Wis., Olsen, 1933.
- CALIFORNIA FRUIT GROWERS EXCHANGE. PRODUCTS DEPT. Preservers handbook for use of exchange citrus pectin in jams and jellies. Ed. 2. [New York?] 1934.
- LOS ANGELES, CALIF. CAFETERIA CLUB OF THE SECONDARY SCHOOLS. Reliable recipes in large quantities. Los Angeles, 1934.
- THOMSEN, AUGUST, & co. Ateco simplified cake decorating illustrated. Ed. 3. [n.p.] 1934.
- VENZMER, G. Lebensstoffe unserer nahrung. Was jeder von den vitaminen wissen muss. Stuttgart, Franckh'sche verlagshandlung, 1935.

Forestry

- NOTGEMEINSCHAFT DER DEUTSCHEN WISSENSCHAFT. Waldwirtschaft und waldstandort. Berlin, 1934. (Deutsche forschung. hft. 24)

History

- BOND, B. W. The civilization of the old Northwest 1788-1812. New York, Macmillan, 1934.
- CHAMBERLIN, W. H. The Russian revolution, 1917-1921. New York, Macmillan, 1935.
- SEE, H. E. Modern capitalism; its origin and evolution. Tr. by H. B. Vanderblue and G. F. Doriot. New York, Adelphi, 1928.

Horticulture

- HAGAR, W. S., and JOHNSON, G. F. History of the Mercer potato. [n.p. 1934?] Multigraphed.
- NEAL, M. C. In Honolulu gardens. Ed. 2. Honolulu, 1929. (Bernice P. Bishop museum. Special publication 13)
- VVEDENSKIĬ, A. I., comp. Species of wild flowers of the USSR; descriptive catalogue of bulbs and roots. Moscow, Lektechsyrlo, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Houses and housing

- COFFIN, L. A., ed. American country houses of today. New York, Architectural book publishing company, 1934.
HOUSING. official's year book, 1935. Chicago, National association of housing officials, 1935.
PETERS, F. F. Houses of stone. Westport, Conn., F. F. Peters, 1933.

Labor

- OHIO. STATE RELIEF COMMISSION. The State relief commission of Ohio and its activities. Columbus, 1935.
PENNSYLVANIA. DEPT. OF LABOR AND INDUSTRY. Pennsylvania labor and industry in the depression; a review of the four-year period, 1931-1934. Harrisburg, 1934. (Special bulletin no. 39)
WEST VIRGINIA. RELIEF ADMINISTRATION. Relief, work, and rehabilitation. Report, August 1932 to Nov. 1, 1934. Charleston, 1934.

Legislation

- EGYPT. LAWS, STATUTES, etc. Législation agricole. Le Caire, Ministère de l'agriculture, 1934.

Lighting

- HIGBIE, H. H. Lighting calculations. New York, Wiley, 1934.

Mathematics, Surveying

- BREED, C. B., and HOSMER, G. L. The principles and practice of surveying. Ed. 4. v. 2. New York, Wiley, 1934.
LEVY, H., and BAGGOTT, E. A. Numerical studies in differential equations. v. 1. London, Watts, 1934.
MORSE, M. The calculus of variations in the large. New York, 1934. (American mathematical society. Colloquium publications. v. 18)
THOM, A. Standard tables and formulae for setting out road spirals. London, Pitman, 1935.

Meat

- McLAUGHLIN, W. G. Beef dealers guide. [n.p.] 1934.

Medicine

- BECK, B. F. Bee venom therapy. New York, Appleton-Century, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Nematodes

- GOODEY, T. The pathology and aetiology of plant lesions caused by parasitic nematodes. St. Albans, Eng., Imperial Bureau of agricultural parasitology, 1935.
- LAPAGE, G. The bearing of the physiology of parasitic nematodes on their treatment and control. St. Albans, Eng., Imperial bureau of agricultural parasitology, 1935.

Ornithology

- CAYLEY, N. W. Budgerigars in bush and aviary. Sydney, Angus & Robertson, 1933.

Roads, Transportation

- AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS. Typical specifications for concrete pavement. Washington, 1935.
- BATEMAN, J. H. Highway engineering. Ed. 2. New York, Wiley, 1934.
- BRITISH ROAD FEDERATION, ltd. Road notes, Great Britain. 1934/35. London, 1935.
- BRITISH PORTLAND CEMENT ASSOCIATION, ltd. A review of concrete road construction at home and abroad, 1934. London, 1934.
- LEBBY, T. D. A traffic safety survey of Knoxville, Tennessee. Knoxville, 1934. Mimeographed.
- NATIONAL SAFETY COUNCIL, inc. Too long at the wheel; a study of exhaustion and drowsiness as they affect traffic accidents. Chicago, 1935.
- TRANSPORTATION CONFERENCE, Chicago, New York, and Washington, D. C., 1933-35. Proceedings of tenth meeting. Chicago, 1935.
- WILCOX, F. N. Route guide for use in connection with Ohio Indian trails. Cleveland, Gates press, 1934.

Science

- GRUENBERG, B. C. Science and the public mind. New York, McGraw-Hill, 1935.

Spraying

- NATIONAL SULPHURIC ACID ASSOCIATION, ltd. AGRICULTURAL DEPT. A practical guide to sulphuric acid spraying in agriculture 1935. London, 1935.

Taxation

- LOS ANGELES BUREAU OF MUNICIPAL RESEARCH, inc. Unified local government and tax reform for Los Angeles county, California. Los Angeles, 1934. Mimeographed.
- STUDENSKI, P. The tax finance plan; the collection of delinquent and current real estate taxes with the aid of private credit. New York city, 1934.
- UTAH. INVESTIGATING COMMITTEE OF UTAH GOVERNMENTAL UNITS. Report. Salt Lake, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Technical plants

- BUNTING, B., and others. The oil palm in Malaya. Kuala Lumpur, 1934.
(Straits settlements. Dept. of agriculture. Malayan planting manual,
no. 1)
- CONFERENCE INTERNATIONALE DU CACAO. Bruxelles, 1932. Compte rendu officiel.
[Bruxelles, Gayot, 1933?]
- MEMMLER, K., ed. The science of rubber ("Handbuch der kautschukwissenschaft")
Authorized English translation edited by R. F. Dunbrook and V. N. Morris
in collaboration with members of the Firestone research laboratories. New
York, Reinhold, 1934.

Wine making

- CRUESS, W. V. The principles and practice of wine making. New York, Avi, 1934.

Theses

- BELL, W. A. The marketing of Kentucky tobacco with special reference to the
Green river district. Urbana, Ill., 1932. Thesis. University of Illinois.
Typewritten.
- HEUER, H. F. O. Die wirtschaftliche bedeutung des hülsenfruchtbaues für
Deutschland. Berlin, 1932. Inaug.-diss. Berlin.
- HEYMER, P. Die westfälische waldwirtschaft seit beginn des 19. jahrhunderts
Bottrop i. W., 1934. Inaug.-diss. Köln.
- HILBENZ, H. Das unterfrankische veredelte landschwein. Giessen, 1931. Diss.
Giessen.
- HIRSCH, K. A. Rindviehzucht und milchleistung in der kreishauptmannschaft
Leipzig. Borna-Leipzig, 1929. Inaug.-diss. Leipzig.
- HOFMANN, E. Ueber die einwirkung von salpetersäure auf cellulose und buchen-
holz. Reinach, 1928. Inaug.-diss. Zürich.
- HORMANN, J. Über die einwirkung von schwefliger säure und ihren salzen auf
m-nitraniline. Giessen, 1931. Diss. Giessen.
- HORST, M. G. ter. Tetrammionkobaltcomplexen. Delft [1932?] Proefschrift.
Tech. hoogeschool, Delft.

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CONGRESSES

- Third Triennial meeting of the Associated Country women of the world to be
held in the United States, June 1936. Association was organized in 1929.
Meetings have been held in London, Stockholm, Vienna, and Geneva. Membership
in association includes over 40 large nationally organized associations in
30 different countries.
- Fédération internationale pharmaceutique. 9me assemblée générale. Bruxelles,
July 29, 30, 1925, at the Nationale Pharmaceutique, Rue du Gouvernement
provisoire 3. Secrétariat general, 43 Leeuwerikstraat, Leyde, Hollande.
- Sixth International congress for scientific management to be held in London,
July 15-18, 1935. The sections include manufacturing, agriculture, dis-
tribution, educational and training, development and domestic. Proceedings
to be published by P. S. King & Son, Ltd., 14 Great Smith Street, West-
minster, London.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

- WALLACE, H. A. Farm tenancy menace to recovery... Purpose of Bankhead bill. East Texas 9(10): 16, 19. July 1935.
----- Farmers and consumers have interests in common. Hoosier Farmer 19(5): 19. June 1935.
----- Land-grant institutions and agricultural adjustments. Assoc. Land-Grant Cols. and Univ. Proc. (1934) 48: 40-45. 1935.
----- Our land policy takes shape. Ames Forester 23: 9-13. 1935.
----- Plans for credit on farm-stored crops. Sec. Wallace explains combination of methods to be used to provide ever-normal granary. Md. Farmer 19(6): 16. June 1935.
----- The problem of farm tenancy. Sci. Mo. 41: 52-56. July 1935.
----- Production control machinery is crude mechanism for economic democracy. Md. Farmer 19(5): 14. May 1935.
WILSON, M. L. The A.A.A. Yes. Only national planning can take the gamble out of farming. Country Home 59(7): 10, 26, 31-33. July 1935.
----- Building an agricultural democracy. M. L. Wilson answers misleading propaganda and defends the farmers' tariff. Mont. Farmer 22(20): 3, 22. June 15, 1935.

Agricultural Adjustment Administration

- DAVIS, C. C. AAA looks ahead. Chester Davis reviews past year and takes look at future. Prairie Farmer 107(13): 3. June 22, 1935.
----- Changes in agricultural adjustment act explained by Chester C. Davis, Administrator. Wis. Agr. and Farmer 62(13): 6. June 22, 1935.
----- Farm leaders recommended the AAA program. Hoosier Farmer 19(5): 27. June 1935.
----- [A future policy for American agriculture] Kans. State Bd. Agr. [Quart.] Rpt. 54(213): 101-110. Mar. 1935.
PETRIE, H. The cattle situation. Utah Farmer 55(21): 13. June 10, 1935.
TOLLEY, H. R. Agricultural planning in a democracy. Assoc. Land-Grant Cols. and Univ. Proc. (1934) 48: 60-67. 1935.

Bureau of Agricultural Economics

- GERDES, F. L. Cotton quality elements involved in the U.S. cotton ginning investigations. Cotton Ginners' Jour. 6(9): 3-4, 10, 12, 20, 22-23, 26. June 1935.
----- The cotton ginning and fiber laboratories of the U.S. Department of Agriculture, Stoneville, Miss. Cotton and Cotton Oil News 36(12): 38, 42. Mar. 23, 1935.
GOUDY, N. L. Book review. (An introduction to statistical analysis, by C. H. Richardson. Harcourt, Brace & Co., New York, 1934. Pp. xi + 285.) Social Serv. Rev. 9: 155. Mar. 1935.

*These lists are prepared in the bureaus under which they are given, with the exception of the Office of the Secretary and Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics
(Continued)

- HARPER, F. H. Book review (Elementary statistics, by James G. Smith. Henry Holt & Co., New York, 1934. pp. x + 517) Social Serv. Rev. 8: 724-725. Dec. 1934.
- Book review. (Mathematics essential for elementary statistics, by Helen M. Walker. Henry Holt & Co., New York, 1934. Pp. xiii + 246.) Social Serv. Rev. 8: 725-726. Dec. 1934.
- Book review. (Statistics in theory and practice, by L. R. Connor. Sir Isaac Pitman & Sons, Ltd., London, 1932. Pp. 371.) The Social Serv. Rev. 8: 726-728. Dec. 1934.
- McCARTHY, B. F. The retailer is the keystone of the entire meat industry. N.Y. State Assoc. Retail Meat Dealers, Bul. 9: 24. Jan. 15, 1935.
- PFEIFFENBERGER, G. W. Some aspects of working under the United States Civil Service. Exponent, Univ. of Dayton (Ohio) 32(5): 15-19. May 1935.

Bureau of Animal Industry

- ALICATA, J. E. Encysted spirurid larvae from the cat flea, *Ctenocephalides felis*. Jour.Parasitol. 21: 221-222. June 1935.
- *Oesophagostomum longicaudum* Goodey, 1925, a synonym of *Oesophagostomum quadrispinulatum* (Marcone, 1901) Jour.Parasitol. 21: 215-216. June 1935.
- BURROWS, W. H., FRITZ, J. C., and TITUS, H. W. The blood sugar of the fasting, gizzardectomized fowl (*Gallus domesticus*) Jour.Biol.Chem.110: 39-41. June 1935.
- CHITWOOD, B. G. The nature of the "cell body" of *Trichuris* and "stichosome" of *Agamermis*. Jour.Parasitol. 21: 225. June 1935.
- COUCH, J. F., CLAWSON, A. B., and BUNYEA, H. The toxicity for sheep of water solutions of hydrocyanic acid and the effectiveness of the nitrite-thiosulphate combination as a remedy. Jour.Wash.Acad.Sci. 25: 272-276. June 15, 1935.
- DIKMAINS, G. Two new lungworms, *Protostrongylus coburni* n. sp. and *Pneumostrophylus alpanae* n. sp. from the deer, *Odocoileus virginianus*, in Michigan. Amer. Micros.Soc.Trans. 54: 138-144. Apr.1935.
- HEYWANG, B. W. Summer management of laying flocks. Nulaid News 14(3):11. June 1935
- KRULL, W. H. Some observations on the life history of *Brachylaenus virginiana* (Dickerson) Krull, N. 1934 [sic.] Amer.Micros.Soc.Trans. 54: 118-134. Apr. 1935.
- MARSDEN, S. J. Latest brooding range methods. Turkey World 10(6): 10-11, 35-36. June 1935.
- MOHLER, J. R. The National Uniform Poultry Breeding Program. Some comments (on) a criticism by the California committee. U.S. Egg and Poultry Mag. 41(7): 14-15. July 1935.
- SHAHAN, M. S., and GILTNER, L. T. Experimental studies on equine encephalomyelitis formalized brain tissue vaccine. North Amer.Vet. 16: 18-26. June 1935.
- WEHR, E. E., and DIKMAINS, G. New nematodes (Filariidae) from North American ruminants. Zool.Anz. 110: 202-208. May 15, 1935.
- WRIGHT, W. H. Prevention and treatment of parasites of large domestic animals. [German summary] Vet.Med. 30: 307-311. July 1935.
- The treatment of dogs and cats infested with internal parasites [German summary] Vet.Med. 30: 312-315. July 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Bureau of Biological Survey

- HOWELL, A. H. The harvest mice of the San Luis Valley, Colorado. Jour. Mammal. 16: 143-144. May 15, 1935.
- JACKSON, H. H. T. Review of J. P. Holman's Sheep and Bear Trails. [Sheep and bear trails, by John P. Holman. With an introduction by Robert A. Bartlett. New York: Frank Walters, Grand Central Palace. xvi + 211 p. frontispiece, 23 pls. in text. 1933.] Jour. Mammal. 16: 157. May 1935.
- MILNER, J. P. The correlation of game and forest management in New England. Amer. Game Conf. Trans. 21: 309-312. 1935.
- TAYLOR, W. P. Some animal relations to soils. Ecology 16: 127-136. Apr. 1935.

Bureau of Dairy Industry

- FRAZIER, W. C., BURKEY, L. A., BOYER, A. J., SANDERS, G. P., and MATHESON, K. J. The bacteriology of Swiss Cheese. II. Bacteriology of the cheese in the press. Jour. Dairy Sci. 18: 373-387. June, 1935.
- NICOLET, B. H. The addition of mercaptans to certain double bonds. Jour. Amer. Chem. Soc. 57: 1098-1099. June, 1935.
- The formation of unsymmetrical acid amides. Jour. Amer. Chem. Soc. 57: 1064-1065. June, 1935.
- Some derivatives of α, α -bis-benzoylaminopropionic acid. Jour. Amer. Chem. Soc. 57: 1073. June, 1935.
- REED, O. E. Developing a satisfactory dairy industry. Pacific Rural Press 129: 570. June 1, 1935.
- WEBB, B. H., and HALL, S. A. Some physical effects of freezing upon milk and cream. Jour. Dairy Sci. 18: 275-286. May, 1935.

Bureau of Entomology and Plant Quarantine

- BENJAMIN, F. H. An anomalous new species of moth from California (Lep., Phalaenidae, Apatelinae). Pan-Pacific Ent. 11: 55-56. Apr. 1935. [Apamea keiferi Benjamin, n.sp.].
- BISHOPP, F. C. Mosquito control work of today. Jour. Econ. Ent. 28: 620-627. June 1935.
- Ticks and the role they play in the transmission of diseases. Smithsn. Inst. Ann. Rpt. 1933: 389-406. 1935.
- SMITH, C. N. Mosquito work throughout the World in 1934. N. J. Mosquito Extermin. Assoc. Proc. 22: 50-77. 1935.
- BRAINNON, L. W. The effect of magnesium arsenate spray applied at various pump pressures on the yield of bush lima beans. Va. Truck Expt. Sta. Bul. 85: 1197-1201. Oct. 1, 1934.
- BUCHANAN, L. I. Thomas Lincoln Casey and the Casey collection of Coleoptera. Smithsn. Misc. Collect. v. 94, no. 3 (Pub.3330) 15p. June 8, 1935.
- BURNSIDE, C. E., (With R. E. FOSTER, State Plant Board, Gainesville, Fla.) Studies on the bacteria associated with para-foulbrood. Jour. Econ. Ent. 28: 578-584. June 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(Continued)

- CUSHMAN, R. A. A study of the larva of *Larra analis* Fabricius. Ent. Soc. Wash. Proc. 37: 82-87. Apr. 1935.
- EVERDEN, J. C. A forest insect problem. [*Dendroctonus monticolae* Hopk.]. Idaho Forester. 17: 12-13. 1935.
- FRACKER, S. B. Court proceedings affecting pest control legislation. Jour. Econ. Ent. 28: 538-544. June 1935.
- HAWLEY, I. M. Horizontal movement of larvae of the Japanese beetle in field plots. Jour. Econ. Ent. 28: 656. June 1935.
- HINMAN, F. G., and LARSON, A. O. Insects collected in flight traps in the Willamette Valley, Oregon, in 1931 and 1932. Ent. News. 46: 147-153. June 1935.
- HOYT, A. S. A review of the plant quarantine work in 1934. Jour. Econ. Ent. 28: 505-514. June 1935.
- LAAKE, E. W. The incidence of screw worms in Southern Texas and Louisiana in 1934. Jour. Econ. Ent. 28: 648-649. June 1935.
- MUESEBECK, C. F. W. On the genus *Oncophanes* Foerster, with descriptions of two new related genera (Hymenoptera: Braconidae). Ann. Ent. Soc. Amer. 28: 241-250. June 1935.
- ROBINSON, W. Stimulation of healing in non-healing wounds by allantoin occurring in maggot secretions and of wide biological distribution. Jour. Bone and Joint Surg. 17: 267-271. Apr. 1935.
- ST. GEORGE, R. A. Forest nursery seedlings subject to arsenical injury in some soils. Jour. Forestry. 33: 627-628. June 1935.
- SANDHOUSE, G. A. The identity of the female of *Ceratina dupla* Say (Hym.: Apoidea). Ent. Soc. Wash. Proc. 37: 93-95. Apr. 1935.
- SASSCHER, E. R. Treatment of imported Spanish grapes and other foreign quarantine developments during the year. Jour. Econ. Ent. 28: 516-519. June 1935.
- SMITH, C. E. *Larra analis* Fabricius, a parasite of the mole cricket *Gryllotalpa hexadactyla* Perty. Ent. Soc. Wash. Proc. 37: 65-82. Apr. 1935.
- SMITH, M. R. Two new species of North American *Strumigenys* (Formicidae: Hymenoptera). Ann. Ent. Soc. Amer. 28: 214-216. June 1935.
- SNODGRASS, R. E. The history of an insect's stomach. Smithsn. Inst. Ann. Rpt. 1933: 363-387. 1935.
- STOCKWELL, C. W. The Japanese beetle outbreak in St. Louis, Mo., and its control. Jour. Econ. Ent. 28: 535-537. June 1935.
- STRONG, L. A. Possible future policies in plant quarantine work. Jour. Econ. Ent. 28: 514-515. June 1935.
- STURLEVANT, A. P., and FARRAR, C. L. Further observations on the flight range of the honeybee in relation to honey production. Jour. Econ. Ent. 28: 585-589. June 1935.
- VANSALL, G. H. (With T. I. Storer, Col. Agr. Univ. Calif., senior author). Bee-eating proclivities of the striped skunk. Jour. Mammal. 16: 118-121. May 1935.
- WHITE, W. H. A summary of studies on arsenical substitutes for cabbage worm control on cabbage and limitations on arsenical treatments. Jour. Econ. Ent. 28: 607-609. June 1935.
- WORTHLEY, L. H., and LIMING, O. N. Dutch elm disease eradication in the United States. Jour. Econ. Ent. 28: 524-528. June 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Forest Service

- ABELL, C. A. Results of 1924 cleanings of Cove hardwoods, Pisgah National Forest. Jour. Forestry 33:626-627. June 1935.
- BOLLES, W. H. The hour before dawn. Amer. Forests and Forest Life 41: 310-312. July 1935.
- BULL, H. Thinning loblolly pine in even-aged stand tables. Jour. Forestry 33: 513-518. May 1935.
- CAMPBELL, R. S. After the drought. Amer. Cattle Prod. 17: 3-5. June 1935.
- CLEATOR, T. W. Blazing a skyline trail. Snohomish Co. [Wash.] Sportsman 2(2): 7, 16. Mar.-Apr. 1935.
- CONNAUGHTON, C. A. The accumulation and rate of melting of snow as influenced by vegetation. Jour. Forestry 33: 564-569. June 1935.
- DAVIS, V. B. Growth in a selectively logged stand in Louisiana bottomland hardwoods. Jour. Forestry 33: 610-615. June 1935.
- DEMING, M. H. Soil conservation research in the intermountain region. Ames Forester 23: 69-73. 1935.
- DUTHIE, G. A. Public relations work in forestry. Mich. Forester 16: 13-42. June 1935.
- GEVORKIANTZ, S. R., and ROE, E. I. Photoperiodism in forestry. Jour. Forestry 33: 599-602. June 1935.
- GISBORNE, H. T. Where is the forest meteorologist? Mich. Forester 16: 9, 44-45. June 1935.
- GUTHRIE, J. D. Yale Foresters in Who's Who. Yale Forest School News 23(3): 41. July 1935.
- LOUGH, A. F. A method of preparing wood sections for accurate age count. Jour. Forestry 33: 698-699. July 1935.
- KUENZEL, J. G. The gnawing of metal tree tags by rodents. Jour. Forestry 33: 532-533. May 1935.
- LODEWICK, J. E. Output of small Douglas fir sawmills. Timberman 36(8): 55-56. June 1935.
- MACOLONEY, H. J. The balsam woolly aphid in the Northwest. Jour. Forestry 33: 481-484. May 1935.
- MEGINNIS, H. G. Losses of black locust planting stock in storage. Jour. Forestry 33: 534-535. May 1935.
- PEARSON, G. A. Public values in cut-over timber lands. Jour. Forestry 33: 590-594. June 1935.
- Relation of sunlight to rate of growth. Jour. Forestry 33: 630-631. June 1935.
- SILCOX, F. A. Forests and the social fabric. Natl. Waltonian 2(10): 4-5, 11. Apr. 1935.
- SIMMONS, E. M. Pruning and thinning a white pine plantation in the southern Appalachians. Jour. Forestry 33: 519-522. May 1935.
- SMITH, H. A. The changing bases of public forest policy (editorial) Jour. Forestry 33: 457-459. May 1935.
- STICKEL, P. W. Forest fire damage in the Northeast. II. First-year mortality in burned over oak stands. Jour. Forestry 33: 595-598. June 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Forest Service
(Continued)

- TAYLOR, W. P., VORHIES, C. T., and LISTER, P. B. The relation of jack rabbits to grazing in southern Arizona. Jour. Forestry 33: 490-498. May 1935.
- THAYER, G. W. Plywood featured in all wood fabricated house. Timberman 36(7): 12-14. May 1935.
- WAHA, O. A. From Oregon's Jungfrau. Amer. Forests and Forest Life 41: 120-121, 150, Mar. 1935.
- WILSON, S. A. The new public domain and wasteful processes, a personal viewpoint. Idaho Forester 17: 20-22. 1935.

Bureau of Home Economics

- O'BRIEN, R. Home economics and the consumers' movement. Omicron Nu 14(2): 11-15. 1935.
- STANLEY, L. Rural housing. Housing 23 (1): 55-60. April 1935.
- Prevent scurvy with vegetables and fruits. Child Health Bul. 11: 122-128. July 1935.

Bureau of Plant Industry

- ALDRICH, W. W. (With R. A. WORK, Bur. Agr. Engin.) Evaporating power of the air and top-root ratio in relation to rate of pear fruit enlargement. Amer. Soc. Hort. Sci. Proc. (1934) 32: 115-123. 1935. (With Oreg. Agr. Expt. Sta.)
- Some factors affecting fruit set in pears. Amer. Soc. Hort. Sci. Proc. (1934) 32: 107-114. 1935. (With Oreg. Agr. Expt. Sta.)
- AUCHTER, E. C., and ROBERTS, J. W. Spraying apples for the prevention of fruit set. Amer. Soc. Hort. Sci. Proc. (1934) 32: 208-212. 1935.
- BALLARD, W. S., and LINDNER, R. C. Studies of the little-leaf disease in California. Amer. Soc. Hort. Sci. Proc. (1934) 32: 1-10. 1935.
- BARRE, H. W. A coordinated program of cotton plant research. Com. Fert. 50(6): 9-11, 16, 18. June 1935.
- BEATTIE, J. H. Some promising sweet potato seedlings and introductions. Amer. Soc. Hort. Sci. Proc. (1934) 32: 488-490. 1935.
- BEATTIE, R. K. Research during 1934 on Ceratostomella ulmi, the cause of the Dutch elm disease. Jour. Econ. Ent. 28: 528-531. June 1935.
- BERGMAN, H. F. Cooperative cranberry investigations. Mass. Agr. Expt. Sta. (Ann. Rpt. 1934) Bul. 315: 32-34. Mar. 1935.
- BERRY, J. A. and DIEHL, H. C. Freezing storage in relation to microbial destruction and retention of quality in sweet cider. Amer. Soc. Hort. Sci. Proc. (1934) 32: 157-159. 1935.
- BOSWELL, V. R. A study of the temperature, day length, and development interrelationships of spinach varieties in the field. Amer. Soc. Hort. Sci. Proc. (1934) 32: 549-557. 1935.
- CARSNER, E. Winning the West for sugar beets. Pacific Rural Press 129: 592. June 8, 1935.
- CHARLES, V. K. The recovery of a pathogenic fungus from leucocytes. (Note) Mycologia 27: 322-323. May/June 1935.

Bureau of Plant Industry
(Continued)

- CLARK, J. A. Russian perennial wheat. Rural New Yorker 94: 450. June 8, 1935.
- COFFMAN, F. A. A simple method threshing single oat panicles. (Note) Jour. Amer. Soc. Agron. 27: 498. June 1935.
- COVILLE, F. W. (With C. V. MORTON, U.S. Natl. Herbarium) A new species of Maurandia from Death Valley. Jour. Wash. Acad. Sci. 25: 291-293. June 15, 1935.
- CRANE, H.L., HARDY, M.B., DODGE, F.N., and LOOMIS, N.H. Effect of bagging on the drop of pecan clusters. Amer. Soc. Hort. Sci. Proc. (1934) 32: 38-42. 1935.
- LOOMIS, N. H., and DODGE, F. N. Effect of nut thinning on size, degree of filling, and annual yields of pecans. Amer. Soc. Hort. Sci. Proc. (1934) 32: 29-32. 1935.
- Growth and yield of pecan trees, as affected by thinning the stand of trees and other orchard practices. Amer. Soc. Hort. Sci. Proc. (1934) 32: 33-37. 1935.
- CULLINAN, F. P., and WEINBERGER, J. H. Studies on the resistance of peach buds to injury at low temperatures. Amer. Soc. Hort. Sci. Proc. (1934) 32: 244-251. 1935.
- DARROW, G. M. (With G. W. DEWEY, Oreg. State Col.) Studies on the stomata of strawberry varieties and species. Amer. Soc. Hort. Sci. Proc. (1934) 32: 440-447. 1935.
- DEGMAN, E. S., and AUCHTER, E. O. Metaxenia studies with apples. Amer. Soc. Hort. Sci. Proc. (1934) 32: 213-220. 1935.
- DIEHL, H. C., and BERRY, J. A. Freezing tests with Golden Bantam corn on the cob. West. Canner and Packer 26(12): 13-15; 27(1): 28,30,32. Apr., May 1935.
- EVANS, M. W., and ALLARD, H. A. (With O. McCONKEY, Guelph, Ont. Agr. Col.) Time of heading and flowering of early, medium and late timothy plants at different latitudes. Sci. Agr. 15: 573-579. Apr. 1935.
- FISHER, D. F. Progress in spray residue removal. Mich. State Hort. Soc. Ann. Rpt. (1934) 64: 24-33. [1935]
- FLINT, L. H. (With E.D. McAlister, Smithsn. Inst.) Wave lengths of radiation in the visible spectrum inhibiting the germination of light-sensitive lettuce seed. Smithsn. Misc. Collect. v.94, no.5. 11 p. June 24, 1935.
- GARDNER, F. E. (With I. C. HAUT, Okla. Agr. Col.) The influence of pulp disintegration upon the viability of peach seeds. Amer. Soc. Hort. Sci. Proc. (1934) 32: 323-327. 1935.
- and YERKES, G. E. The performance of fruit tree seedlings when dug at various stages of maturity. Amer. Soc. Hort. Sci. Proc. (1934) 32: 338-342. 1935.
- GERHARDT, F., and EZELL, B. D. Sugar and acidity changes in pears as influenced by variety and maturity. Amer. Soc. Hort. Sci. Proc. (1934) 32: 141-145. 1935.
- GORMAN, E. A., jr. Fan circulation improves effectiveness of refrigerator cars. Railway Age 98: 493-495. Mar.30, 1935.

PUBLICATIONS OF U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(Continued)

- GOULD, H. P. Cultivo de la higuera en climas húmedos. Bol. Unión Panamer. 69: 60-75, 139-153, 433-447. Jan., Feb., May 1935. (Translation, with some adaptations, of Farmers' Bul. 1031).
- HALLER, M. H. (With J. H. BEAUMONT, Univ. Md., C. W. MURRAY and C. C. CASSIL, Bur. Ent. and Plant Quarantine) Lead residues and their removal as influenced by spray programs. Amer. Soc. Hort. Sci. Proc. (1934) 32: 179-182. 1935.
- (With J. H. BEAUMONT, Univ. Md.) Relative value of several wetting agents in removing lead residues from apples. Amer. Soc. Hort. Sci. Proc. (1934) 32: 183-189. 1935.
- HARDING, P. L., and HALLER, M. H. Peach storage with special reference to breakdown. Amer. Soc. Hort. Sci. Proc. (1934) 32: 160-163. 1935.
- HARLEY, C. P., MASURE, M. P., and MAGNESS, J. R. Fruit thinning and biennial bearing on individual main leaders of Yellow Newtown apples. Amer. Soc. Hort. Sci. Proc. (1934) 32: 43-46. 1935.
- HARMON, F. N., and SNYDER, E. Grape root distribution studies. Amer. Soc. Hort. Sci. Proc. (1934) 32: 370-373. 1935.
- HOGGAN, I. A., and JOHNSON, J. A virus of crucifers and other hosts. Phytopathology 25: 640-644. June 1935. (With Wis. Agr. Expt. Sta.)
- JODIDI, S. L. Isolation and identification of the organic nitrogenous and non-nitrogenous compounds occurring in the Alaska pea. II. The isolation of pyrrolidone-carboxylic acid, tyrosine, and diamino acids from the non-proteins of the Alaska pea. (Note) Jour. Amer. Chem. Soc. 57: 1142. June 1935.
- KIGHTLINGER, C. V. Cooperative tobacco investigations. Black root-rot. Mass. Agr. Expt. Sta. (Ann. Rpt. 1934) Bul. 315: 16-17. Mar. 1935.
- LAMB, H., WRIGHT, E., and DAVIDSON, R. W. A root rot of Chinese elms. (Note) Phytopathology 25: 252-254. June 1935. (With Emerg. Conserv. Work & Shelter Belt Proj.)
- MAGNESS, J. R. Status of orchard soil moisture research. (Presidential address) Amer. Soc. Hort. Sci. Proc. (1934) 32: 651-661. 1935.
- NIXON, R. W. Metaxenia in dates. Amer. Soc. Hort. Sci. Proc. (1934) 32: 221-226. 1935.
- ROSE, D. H., HALLER, M. H., and HARDING, P. L. Relation of temperature of fruit to firmness in strawberries. Amer. Soc. Hort. Sci. Proc. (1934) 32: 429-430. 1935.
- RYALL, A. L. Certain physiological effects of carbon dioxide treatments of plums. Amer. Soc. Hort. Sci. Proc. (1934) 32: 164-169. 1935.
- SANDO, W. J. Hybrids of wheat, rye, Aegilops and Haynaldia. Jour. Heredity 26: 229-232. June 1935.
- SHAPOVALOV, M. (With J. DUFRENOY, Stat. Path. Veg. Pont de la Maye, Gironde, France) Cytologische beobachtungen an einer viruskrankheit von typus "streak" oder "strichel". Phytopath. Ztschr. 8: 297-301. 1935.
- SNYDER, E. Breeding for seedless Vinifera grapes. Amer. Soc. Hort. Sci. Proc. (1934) 32: 381-383. 1935.

Bureau of Plant Industry
(Continued)

- SNYDER, E., and HARMON, F. N. Vinifera grape cion influence on Dog Ridge stock. Amer. Soc. Hort. Sci. Proc. (1934) 32: 374-375. 1935.
- SPAULDING, P., and BOYCE, J. S. (With H. I. BALDWIN, N.H. State Forestry Dept.) Forest disease control in New England. (Progress report of committee for 1934.) Jour. Forestry 33: 469-473. May 1935.
- STUART, W. El cultivo comercial de la papa en los Estados Unidos. Bol. Union Panamer. 69: 514-526. June 1935.
- Cultural and marketing problems. Amer. Potato Jour. 12: 150-156. June 1935.
- SWALLEN, J. R. Collecting grasses in northeastern Brazil. Smithsn. Inst. Explor. and Field-work 1934: 37-40. 1935.
- THOM, C. The life in the soil. Sci. Mo. 41: 57-60. July 1935.
- THOMPSON, R. C. Some soil conditions affecting lettuce seed germination. Amer. Soc. Hort. Sci. Proc. (1934) 32: 572-577. 1935.
- WALDO, G. F. (With T. A. STEELE and W.S. BROWN, Oreg. State Col.) Conditions affecting cold resistance in strawberries. Amer. Soc. Hort. Sci. Proc. (1934) 32: 434-439. 1935.
- WEBBER, J. M. Cytogenetic notes on Sphaeralcea and Malvastrum. Science 81: 639-640. June 28, 1935.
- WEINBERGER, J. H. and CULLINAN, F. P. Nitrogen intake and growth response in peach trees following fall and spring fertilizer applications. Amer. Soc. Hort. Sci. Proc. (1934) 32: 65-69. 1935.
- WHITEHOUSE, W. E. Plant introduction in the last quarter century. Florists' Exch. 84(24): 13. June 15, 1935.
- WHITEMAN, T. M., WRIGHT, R. C., and GRIFFITHS, D. The forcing of paper white narcissus bulbs after storage at various temperatures. Amer. Soc. Hort. Sci. Proc. (1934) 32: 645-650. 1935.
- WOODS, A. F. Botany and human affairs. Science 81: 573-578. June 14, 1935.
- YERKES, G. E. and GARDNER, F. E. Dormant rose plants as affected by temperature and moisture while in storage. Amer. Soc. Hort. Sci. Proc. (1934) 32: 347-350. 1935.
- ZOOK, L. L. (With H.O. WERNER, Nebr. Agr. Expt. Sta.) Seed potato production in central Nebraska. Nebr. Agr. Expt. Sta. Bul. 294. 16 p. Apr. 1935. (North Platte Expt. Substa. Bul. 36.)

Public Roads

- CONNER, C.N. Federal-aid and secondary road surfaces. Public Works 66(3): 22 June 1935.
- HARRISON, J. L. Job management in road building. Pt.3 - Equipment dependability. Construct. Methods. 17(5): 50-52 May 1935.
- Job management in road building. Pt.4 - Power shovel grading operations. Construct. Methods 17(6): 53-56. June 1935.
- The Orleans street viaduct, Baltimore. A solution of problem of handling through traffic. Roads and Streets 78: 163-166. May 1935.
- JAMES, E. W. When is grade separation justified? Natl. Safety News 31(5): 15-16, 51 May 1935.
- KELLEY, E. F. Needed research on flexible-type roads. Highways and Bridges 1(51):7 June 5, 1935.

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ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK*

Arizona

McGEORGE, W. T. The relation of potential alkalinity to the availability of phosphate in calcareous soils. Soil Sci. 39:443-452. June 1935.

California

- CLARKE, A. E. Inheritance of annual habit and mode of pollination in an annual white sweet clover. Jour. Amer. Soc. Agron. 27:492-496. June 1935.
- CRUESS, W. V. (With G. L. MARSH and S. MENDELS, Univ. Calif.) Fruit "wines". Fruit Prod. Jour. and Amer. Vinegar Indus. 14:295-298. June 1935.
- FLANDERS, S. E. New host records for two mealybug parasites. Jour. Econ. Ent. 28:552. June 1935. (Note)
- FRENCH, O. C. Mechanical equipment for grape leafhopper control. Agr. Engin. 16:213-214, 217-218. June 1935.
- FROST, K. B. The design of a double-piston pressure regulator for spray pumps. Agr. Engin. 16:227-228. June 1935.
- GERICKE, W. F. Probable explanation for some differences in yields and bread properties of wheat varieties. World's Grain Exhib. and Conf. Regina, 1933, Proc. 2:428-434. 1935.
- JOSLYN, M. A. (With G. L. MARSH, Univ. Calif.) Methods of wine analysis. I. Comparison of direct and indirect methods of determining alcohol, extract, and total acid in dry wine. Jour. Assoc. Off. Agr. Chem. 18:307-313. May 15, 1935.
- NELSON, D. H. Standardizing milk and cream by centrifugal force. Milk Plant Monthly 24(6):36, 38. June 1935.
- OLMO, H. P. Genetical studies of monosomic types of Nicotiana tabacum. Genetics 20:286-300. May 1935.
- REED, H. S., and FREMONT, T. Factors that influence the formation and development of mycorrhizal associations in citrus roots. Phytopathology 25:645-647. June 1935.
- REED, H. S., and DUFRENOY, J. Modification in cell structure accompanying mottle leaf of the orange. Amer. Jour. Bot. 22:311-328. March 1935.
- WEBBER, H. J. The Florida scrub, a fire-fighting association. Amer. Jour. Bot. 22:344-361. March 1935.
- WYMORE, F. H. The olive scale, Parlatoria oleae Colv. Jour. Econ. Ent. 28:552. June 1935. (Note)

Colorado

- DURRELL, L. W. An applied course in general botany. Iowa State Col. Jour. Sci. 9:299-301. June 1935.
- RICHMOND, R. G. Resistance of honeybees to American foulbrood. Jour. Econ. Ent. 28:597-601. June 1935.

*Prepared in Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Connecticut (State)

- BRITTON, W. E. The corn ear worm and the European corn borer and their control. Conn. Veg. Growers' Assoc. Rpt. 1934:72-78. 1934.
- BRITTON, W. E. Experimental work on vegetable insects in 1933. Conn. Veg. Growers' Assoc. Rpt. 1934: 41-42. 1934.
- BRITTON, W. E. Report of experiments with vegetable insects in 1934. Conn. Veg. Growers' Assoc. Rpt. 1935: 45-49. 1935.
- BRITTON, W. E. Report on vegetable insects in 1933. Conn. Veg. Growers' Assoc. Rpt. 1934: 42-44. 1934.
- BRITTON, W. E. Vegetable insects in 1934. Conn. Veg. Growers' Assoc. Rpt. 1935:86-87. 1935.
- CLINTON, G. P. Bacterial (Stewart's) wilt of sweet corn. Conn. Veg. Growers' Assoc. Rpt. 1934:69-72. 1934.
- CLINTON, G. P. Plant diseases in Connecticut. Conn. Veg. Growers' Assoc. Rpt. 1934:46-50. 1934.
- DUNLAP, A. A. Occurrence and experiment control of vegetable diseases in 1934. Conn. Veg. Growers' Assoc. Rpt. 1935:49-53. 1935.
- JONES, D. F. A multiple mosaic in maize. Jour. Heredity 26:191-192. May 1935.
- JONES, D. F. Vegetable breeding at the Connecticut agricultural experiment station. Conn. Veg. Growers' Assoc. Rpt. 1934: 44-46. 1934.
- LUNT, H. A. Effect of weathering upon dry matter and composition of hardwood leaves. Jour. Forestry 33: 607-609. June 1935.
- MENDEL, L. B., HUBBELL, R. B., and WAKEMAN, A. J. The influence of some commonly used salt mixtures upon growth and bone development of the albino rat. Jour. Nutrition 9(Proc. Amer. Inst. Nutrition):8. June 10, 1935. (Abstract)
- MORGAN, M. F. Report of work on soils in relation to vegetable production. Conn. Veg. Growers' Assoc. Rpt. 1934:35-40. 1934.
- MORGAN, M. F. Report on hydrogen-ion concentration of acid soils: use of the glass electrode in electrometric and barium sulfate in colorimetric pH measurement. Jour. Assoc. Off. Agr. Chem. 18:205-207. May 15, 1935.

Connecticut (Storrs)

- OWENS, J. S. The interdependence of agronomic research and resident and extension teaching. Jour. Amer. Soc. Agron. 27:413-416. June 1935.

Delaware

- LAGASSE, F. S. The effect of applying nitrogen at various times and in various amounts to yellow transparent apple trees. Peninsula Hort. Soc. [Del.] Trans.(1934)48: 66-71. [1935]
- McCUE, C. A. The apple outlook. Peninsula Hort. Soc. [Del.] Trans.(1934)48: 58-65. [1935]
- MANNS, T. F. Demonstration work in black rot control in Delaware. Peninsula Hort. Soc. [Del.] Trans.(1934)48:130-131. [1935]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Delaware
(Continued)

- MANNS, T. F. (With M. M. MANNS) Plume as factors in the dissemination of yellows and little peach. Peninsula Hort. Soc. [Del.] Trans.(1934)48: 72-76. [1935]
- RUSSELL, R., and MANNS, T. F. Copper sulphate as a plant nutrient: 1934 work on tobacco, cotton, and corn. Peninsula Hort. Soc. [Del.] Trans.(1934)48: 97-129. [1935]
- STEARNS, L. A. An examination of the factors determining spraying and other recommendations for control of the more important insect pests of apple, peach and grape, during the five-year period, 1930-1934. Peninsula Hort. Soc. [Del.] Trans.(1934)48: 30-44. [1935]

Florida

- BARNETTE, R. M. Certain soil deficiencies and their corrections. Citrus Indus. 13(12):17-18. Dec. 1934.
- BECKER, R. B., and ARNOLD, P. T. D. Influence of season and advancing lactation on butterfat content of Jersey milk. Jour. Dairy Sci. 18:389-399. June 1935.
- RUPRECHT, R. W. Fertilizer control laws. Citrus Indus. 16(3):5, 20. March 1935.
- RUPRECHT, R. W. Neutral fertilizers, what they are, and how they act. Citrus Indus. 16(2):6-7. Feb. 1935.
- RUPRECHT, R. W. Spring citrus fertilization. Citrus Indus. 16(2):24. Feb. 1935.
- THOMAS, E. W., NEAL, W. M., and AHMANN, C. F. The toxicity of *Crotalaria spectabilis* Roth to livestock and poultry. Jour. Amer. Soc. Agron. 27:499-500. June 1935. (Notes)
- WATSON, J. R. A program for citrus aphid control. Citrus Indus. 16(2):20, 24. Feb. 1935.

Georgia

- BROWN, W. L. A contribution to the chemistry of pepper pigments: the red pigment in the Perfection pimienta (*Capsicum annum*). Jour. Biol. Chem. 110: 91-94. June 1935.

Idaho

- FISHER, R. A. The effect of acetic acid vapor treatment on blood cell counts in the cockroach, *Blatta orientalis* L. (Blattidae: Orthoptera). Ann. Ent. Soc. Amer. 28:146-153. Mar. 1935.
- GOLDING, N. S. The hydrogen-ion concentration of creamery waters and their relationship to washing butter. Jour. Dairy Sci. 18:359-371. June 1935.

Illinois

- FLINT, W. P. The chinch bug as a pest of corn on the American continent. World's Grain Exhibition and Conf., Regina, 1933, Proc. 2:552-554. 1935.

Illinois
(Continued)

- HOTTES, C. F. Changing emphasis in general botany and its significance. Iowa State Col. Jour. Sci. 9:287-290. June 1935.
- TRACY, P. H. Here is how you can make good strawberry ice cream. Ice Cream Trade Jour. 31(4):15-17. April 1935.

Indiana

- CUMMINS, G. B. Experiments with heteroecious rusts. Mycologia 27:319-321. May-June 1935.
- CUTLER, G. H., and WORZELIA, W. W. Comments on the whole wheat meal fermentation time test. Jour. Amer. Soc. Agron. 27:500-501. June 1935 (Notes)
- GREENE, L. Some factors aside from pollination that affect fruit set. Penn. State Hort. Assoc. Proc. (1935) 76: 60-66. 1935.
- JORDAN, R. A study of the effect of the addition of sodium chloride to the cooking water upon the loss of calcium of vegetables. Jour. Home Econ. 27: 376-382. June-July 1935.
- KRAYBILL, H. R., and THORNTON, S. F. Comparative study of the official and a modified method for determining available potash in mixed fertilizers. Jour. Assoc. Off. Agr. Chem. 18:260-281. May 15, 1935.
- KRAYBILL, H. R. Report on potash. Jour. Assoc. Off. Agr. Chem. 18:237-243. May 15, 1935.
- THORNTON, S. F., and KRAYBILL, H. R. Available potash content of fertilizer residue extracted according to the official method. Jour. Assoc. Off. Agr. Chem. 17:281-293. May 15, 1935.

Iowa

- DEAN, H. L., and WALKER, R. H. A comparison of glass and quinhydrone electrodes for determining the pH of some Iowa soils: I. A comparison of different types of glass electrodes. Jour. Amer. Soc. Agron. 27:429-436. June 1935.
- DIETZ, S. M. The development of the group-conference system of teaching. Iowa State Col. Jour. Sci. 9:259-279. June 1935.
- JANES, M. J. Oviposition studies on the chinch bug, *Blissus leucopterus* (Say). Ann. Ent. Soc. Amer. 28:109-120. March 1935.
- JANES, M. J., HAGER, A., and CARMAN, G. E. Preliminary studies on starvation and drowning of the chinch bug, *Blissus leucopterus* (Say). Jour. Econ. Ent. 28:638-646. June 1935.
- KREUTZER, W. A. A use of the placement test in the teaching of general botany. Iowa State Col. Jour. Sci. 9:303-321. June 1935.
- MELHUS, I. E. Commemorating six decades of the modern era in botanical science. Iowa State Col. Jour. Sci. 9:221-223. Jan. 1935.
- SWANSON, P. P., and TIMSON, G. H. Regression as a tool in the biological assay of vitamin A. Jour. Nutrition 9(Proc. Amer. Inst. Nutrition):10. June 10, 1935. (Abstract)
- YODER, L., THOMAS, B. H., and LYONS, M. Experiments with a new type of antirachitic substance. Jour. Nutrition 9(Proc. Amer. Inst. Nutrition):6. June 10, 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Kansas

- ACKERT, J. E., PORTER, D. A., and BEACH, T. D. Age resistance of chickens to the nematode *Ascaridia lineata* (Schneider). Jour. Parasitol. 21:205-213. June 1935.
- ACKERT, J. F., and EISENBRANDT, L. L. Comparative resistance of bronze turkeys and White Leghorn chickens to the intestinal nematode, *Ascaridia lineata* (Schneider). Jour. Parasitol. 21:200-204. June 1935.
- GAINNEY, P. L. The role of nitrogen in wheat production. World's Grain Exhibition and Conf., Regina, 1933. Proc. 2:352-361. 1935.
- KUNERTH, B. L., CHITWOOD, I. M., and PITTMAN, M. S. Utilization of meat by human subjects. III. The utilization of the nitrogen and phosphorus of beef heart. Jour. Nutrition 9(Proc. Amer. Inst. Nutrition):685-690. June 10, 1935.
- LONG, Z., and PITTMAN, M. S. Utilization of meat by human subjects. II. The utilization of the nitrogen and phosphorus of round and liver of beef. Jour. Nutrition 9(Proc. Amer. Inst. Nutrition):677-683. June 10, 1935.
- MARTIN, W. H. How Kansas ice cream manufacturers are attempting to improve competitive conditions. Ice Cream Rev. 18(11):40-42. June 1935.
- SWANSON, C. O. Quality in wheat. World's Grain Exhibition and Conf., Regina 1933, Proc. 2:375-381. 1935.

Kentucky

- DIMOCK, W. W. Breeding problems in mares. Cornell Vet. 25:165-176. Apr. 1935.
- JOHNSON, E. M. An example of spread of veinbanding from potatoes to tobacco. Phytopathology 25:650-652. June 1935. (Note)
- McHARGUE, J. S. Report on less common elements in soils. Jour. Assoc. Off. Agr. Chem. 18:207-210. May 15, 1935.

Maryland

- BEAUMONT, J. H. Removal of lead residue from apples in Maryland. Peninsula Hort. Soc. [Del.] Trans. 1934 48:88-96. [1935]
- BEAUMONT, J. H. Satisfactory washing methods for spray residue removal in the East. Md. State Hort Soc. Proc. 1935 37:49-55. 1935.
- CORY, E. N. Codling moth problem on the Eastern Shore. Peninsula Hort. Soc. [Del.] Trans. (1934)48:15-19. [1935]
- FRAZIER, W. A. How to reduce the occurrence of cracks in tomato fruits. Canning Age 16:279-280, 290, 294. June 1935.
- SCHRADER, A. L. Comparisons of fall, spring, and fall plus spring applications of various nitrogen fertilizers to fruit trees. Md. State Hort. Soc. Proc. (1935)37:56-60. 1935.
- SCHRADER, A. L. Training and pruning peach trees in Maryland. Peninsula Hort. Soc. [Del.] Trans. (1934)48:52-57. [1935]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Massachusetts

- BEAUMONT, A. B. An inexpensive type of construction for concrete tanks for soil investigations. Jour. Amer. Agron. 27:497-498. June 1935. (Notes)
DEMPSEY, P. Some new varieties of vegetables. Conn. Veg. Growers' Assoc. Rpt. 1935: 7-14. 1935.
GUNNESS, C. I. A simple device for precooling milk. Agr. Engin. 16:218. June 1935.

Michigan

- BESSEY, E. A. The teaching of botany sixty-five years ago. Iowa State Col. Jour. Sci. 9:227-233. Jan. 1935.
GILTNER, W. Veterinary service in rural public health. Vet. Med. 30:282-288. July 1935.
JOHNSTON, S. Trends in peach growing in Michigan. N. Y. State Hort. Soc. Proc. (1935) 80:102-109. 1935.

Minnesota

- HARVEY, R. B. Physiology of the adaptation of plants to low temperature. World's Grain Exhibition and Conf., Regina, 1935. 2:145-151. 1935
LIU, CHI-YING. Two new bird Ceratophylli from Minnesota (Insecta: Siphonaptera). Ann. Ent. Soc. Amer. 28:121-125. Mar. 1935.
LONGLEY, L. E. Care of the lawn in spring and summer. Minn. Hort. 63:110. June 1935.
HODGSON, R. E. An eight generation experiment in inbreeding swine. Jour. Heredity 26:209-217. May 1935.
NELSON, R. C., and HARVEY, R. B. Fruits and vegetables in ripening and blanching produce ethylene. Minn. Hort. 63:105. June 1935.
POWELL, M. E., and PALMER, L. S. Behavior of caseinate soils in a study of a hysteresis-like phenomenon in the rennet coagulation of heated milk. Jour. Dairy Sci. 18:401-414. June 1935.
RUGGLES, A. G. Organization of grasshopper control campaigns in the United States. World's Grain Exhibition and Conf. Regina, 1935. Proc. 2:499-503. [1935]
STAMMAN, E. C. Plants that are dangerous to other plants. Minn. Hort. 63:113. June 1935.
STELLER, W. R., MARKLEY, M. C., and Bailey, C. H. Factors affecting the diastatic activity of wheat flour. II. Cereal Chem. 12:368-375. May 1935.
WALLACE, F. G. A morphological and biological study of the trematode, Sellacotyle mustelae N. G., N. SP. Jour. Parasitol. 21:145-164. June 1935.

Missouri

- GILES, G. W. A drawbar dynamometer. Agr. Engin. 16:216-217. June 1935.
HAIGH, L. D. Use of Aspergillus niger in testing potash availability. Jour. Assoc. Off. Agr. Chem. 16:293-297. May 15, 1935.
HASEMAN, L. The odoling moth and present control measures. Mo. State Hort. Soc. Proc. (1932/33-1933/34): 86-87. Dec. 1934. (Rec'd. May 1935)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Missouri (Continued)

- JENNY, H. (With R. F. REITHEIMER, Univ. Mo.) Ionic exchange in relation to the stability of colloidal systems. Jour. Phys. Chem. 39:593-604. May 1935.
- SHEPARD, P. H. Some results of horticultural experimentation at Mountain Grove. Mo. State Hort. Soc. Proc. (1932/33-1933/34):69-75. Dec. 1934 (Rec'd May 1935)
- SWARTWOUT, H. G. Spray injury. Mo. State Hort. Soc. Proc. (1932/33-1933/34):79-85. Dec. 1934. (Rec'd May 1935)
- TALBERT, T. J. A soil management program for orchardists. Mo. State Hort. Soc. Proc. (1932/33-1933/34):93-100. Dec. 1934. (Rec'd May 1935)
- TUCKER, C. M. The life history of the apple scab fungus. Mo. State Hort. Soc. Proc. (1932/33-1933/34):75-79. Dec. 1934. (Rec'd May 1935)
- VINSON, C. G. Removal of spray residue from fruit. Mo. State Hort. Soc. Proc. (1932/33-1933/34):90-93. Dec. 1934. (Rec'd May 1935)

Nebraska

- KIESSELBACH, F. A. The possibilities of modern corn breeding. World's Grain Exhibition and Conf., Regina, 1933. Proc. 2:92-112. 1935

New Jersey

- ARRINGTON, L. B., WADSWORTH, C. H., and SHIVE, J. W. Apparatus for the determination of CO₂ in culture solutions. Soil Sci. 39:437-441. June 1935.
- ARRINGTON, L. B., and SHIVE, J. W. Rates of absorption of ammonium and nitrate nitrogen from culture solutions by ten-day-old tomato seedlings at two pH levels. Soil Sci. 39:431-435. June 1935.
- BECKWITH, C. S. False blossom. Amer. Cranberry Growers' Assoc. Meeting. (1935) 65:25-26. 1935.
- FARLEY, A. J. Observations on spraying fruits in New Jersey. Peninsula Hort. Soc. [Del.] Trans. (1934) 48:132-136. [1935].
- HEADLEE, T. J. Derris as an arsenical substitute on vegetables. Jour. Econ. Ent. 28:605-607. June 1935.
- HEADLEE, T. J. New spray and dust materials, their effectiveness in pest control and their toxic effects on plants and humans. Conn. Veg. Growers' Rpt. 1935:79-81. 1935.
- LIPMAN, J. G. Soil and climate in their relation to grain production. World's Grain Exhibition and Conf., Regina, 1933. Proc. 2:303-306. 1935
- PORGES, H. (With J. F. MULLER and L. B. LOCKWOOD, U. S. Dept. Agr.) A Macor found in fowl. Mycologia 27:330-331. May-June 1935.
- PRINCE, A. L. Report on nitrogen. Jour. Assoc. Off. Agr. Chem. 18:218-220. May 15, 1935.
- RUSSELL, W. C., TAYLOR, M. W., and CHICHESTER, D. F. Colorimetric determination of carotene in plant tissue. Plant Physiol. 10:325-340. April 1935.
- TIEDJENS, V. A. Some factors affecting the use of the newer fertilizing materials. Conn. Veg. Growers' Assoc. Rpt. 1935:76-79. 1935.
- WAKSMAN, S. A. The rôle of micro-organisms in the liberation and immobilization of nitrogen in the soil. World's Grain Exhibition and Conf., Regina, 1933. Proc. 2:370-374. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

New York State

- ANDERSON, L. C. Winter killing of cherries and replacements. N. Y. State Hort. Soc. Proc.(1935) 80:193-200. 1935.
- CHAPMAN, P. J. The role of arsenicals in the Hudson Valley spray program for apples. N. Y. State Hort. Soc. Proc.(1935) 80:180-185. 1935.
- CHAPMAN, P. J., and PEARCE, G. W. The spray residue problem of currants. N. Y. State Hort. Soc. Proc.(1935) 80:250-265. 1935.
- COOLEY, L. M. Sources of raspberry mosaic infection and how to get rid of them. N. Y. State Hort. Soc. Proc.(1935) 80:273-277. 1935.
- HAMILTON, J. M. The development of apple scab. N. Y. State Hort. Soc. Proc. (1935) 80:160-164. 1935.
- HAMILTON, J. M. Spray injury and spray practices to avoid it. N. Y. State Hort. Soc. Proc.(1935) 80:185-190. 1935.
- Huckett, H. C., and HERVEY, G. E. R. Recent developments in the use of arsenical substitutes for vegetable pest control in New York. Jour. Econ. Ent. 28:602-603. June 1935.
- PARROTT, P. J. Spray problems: in retrospect and prospect. N. Y. State Hort. Soc. Proc.(1935) 80:25-33. 1935.
- TRESSLER, D. K. New Methods of freezing fruits and fruit juices. N. Y. State Hort. Soc. Proc.(1935) 80:149-156. 1935.
- TRESSLER, D. K. Recent improvements in the manufacture and preservation of fruit juices and beverages. N. Y. State Hort. Soc. Proc.(1935) 80:201-207. 1935.
- WELLINGTON, R. How new varieties of apples are originated. N. Y. State Hort. Soc. Proc. (1935) 80:165-167. 1935.
- WELLINGTON, R. Merits of new apple varieties. N. Y. State Hort. Soc. Proc. (1935) 80:53-63. 1935.

New York (Cornell)

- CAMERON, H. S. Bovine trichomoniasis. Cornell Vet. 25:99-110. April 1935.
- HEINICKE, A. J. Important considerations in establishing the new orchard. N. Y. State Hort. Soc. Proc. (1935) 80:63-70. 1935.
- HEINICKE, A. J. Recent observations of the Pacific Coast fruit industry. N. Y. State Hort. Soc. Proc. (1935) 80:70-76. 1935.
- HILDEBRAND, E. M., and PHILLIPS, E. F. The effect of certain bactericides, especially copper sulphate, on the longevity of honeybees. Jour. Econ. Ent. 28:559-565. June 1935.
- MacDANIELS, L. H. Nut trees useful for planting in New York state. N. Y. State Hort. Soc. Proc. (1935) 80:121-124. 1935.
- MacDANIELS, L. H. Winter injured trees; which to retain and how to rejuvenate them. N. Y. State Hort. Soc. Proc. (1935) 80:48-53. 1935.
- MASSEY, L. M. Fruit diseases of the past season. N. Y. State Hort. Soc. Proc. (1935) 80:15-24. 1935.
- MYERS, C. H. A coordinated program for research and extension. Jour. Amer. Soc. Agron. 27:422-428. June 1935.
- REDDICK, D. Mites on potatoes. Phytopathology 25:654. June 1935. (Notes)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

North Carolina

- BOSTIAN, C. H. Biparental males and hatchability of eggs in *Habrobracon*.
Genetics 20:280-285. May 1935.
WILLIS, L. G. Significance of minor plant foods. Amer. Fert. 82(12):7, 18.
June 15, 1935.

North Dakota

- MANGELS, C. E., and MARTIN, J. J., jr. Effect of different buffers and type
of substrate on the diastasis of wheat starch. Cereal Chem. 12:256-268.
May 1935.
WALSTER, H. L. Crop rotation in relation to grain production. World's Grain
Exhibition and Conf., Regina, 1933. Proc. 2:183-185. 1935

Ohio

- BAYFIELD, E. G. Further comments on the whole wheat meal fermentation time
test. Jour. Amer. Soc. Agron. 27:502. June 1935. (Notes)
BAYFIELD, E. G. The quality of soft winter wheats as influenced by phosphate
and other soil treatments. World's Grain Exhibition and Cong., Regina
1933. Proc. 2:447-458. 1935
BETHKE, R. M., (and others). The comparative antirachitic efficiency of
irradiated milk, yeast milk and cod liver oil. Jour. Nutrition 9 (Proc.
Amer. Inst. Nutrition):7. June 10, 1935. (Abstract)
BETHKE, R. M. Nutrition in relation to animal health. Vet. Med. 30:296-301.
July 1935.
GOURLEY, J. H. Fruit russetting and foliage injury. Md. State Hort. Soc.
Proc. 37(1935):3-8. 1935.
GOURLEY, J. H. Organic matter in bearing orchards. Md. State Hort. Soc.
Proc. 37(1935):23-26. 1935.
HOUSER, J. S. *Cacoecia rileyana* Grote. An unusual occurrence (Tortricidae:
Lepidoptera). Ann. Ent. Soc. Amer. 28(1):105-107. March 1935.
KRAUSS, W. E. Reenforcement of milk with vitamin D. Vet. Med. 30:302-306.
July 1935.
SETTERFIELD, H.E., and SUTTON, T.S. The use of polarized light in the study
of myelin degeneration. II. The degeneration of myelinated nerves in avitami-
nosis A in the white rat. Jour. Nutrition 9:645-655. June 10, 1935.
(H. E. Setterfield, Ohio State Univ.)

Oklahoma

- MURPHY, H. F., and DANIEL, H.A. Some chemical and physical properties of normal
and solonetz soils and their relation to erosion. Soil Sci. 39:453-461.
June 1935.

Oregon

- LEWIS, M. R., WORK, R. A., and ALDRICH, W. W. Influence of different quantities
of moisture in a heavy soil on rate of growth of pears. Plant Physiol.
10:309-323. April 1935.
POWERS, W. L. Land classification and soil and water surveys. Agr. Engin.
16:224-226. June 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Pennsylvania

- ANTHONY, R. D. First steps in orchard soil fertility recovery. Penn. State Hort. Assoc. Proc. (1935) 76:76, 78-82. 1935.
- FAGAN, F. N. Alternate bearing and its relation to orchard culture. Penn. State Hort. Assoc. Proc. (1935) 76:114-18. 1935.
- FORBES, E. B. [and others] The effects of the plane of protein intake on the utilization of food energy and protein. Jour. Nutrition 9(Proc.Amer.Inst. Nutrition):11. June 10, 1935 (Abstract)
- FREAR, D. E. H. Spray residue removal in Pennsylvania. Penn. State Hort. Assoc. Proc. (1935) 76:67-69. 1935.
- FROST, S. W. Dormant and delayed dormant sprays for aphids and red-spiders. Penns. State Hort. Assoc. Proc. (1935) 76:107-110, 112-114. 1935.
- GUERRANT, N. B., DUTCHER, R. A., and TOMEY, L. F. The effect of the type of carbohydrate on the synthesis of the B vitamins in the digestive tract of the rat. Jour. Biol. Chem. 110:233-243. June 1935.
- GUERRANT, N. B., RASMUSSEN, R. A., and DUTCHER, R. A. The value of the chemical titration method in determining the vitamin C potency of certain food substances. Jour. Nutrition 9 (Proc. Amer. Inst. Nutrition): 667-675. June 10, 1935.
- SHAW, A. C., and BEAM, A. L. The effect of mastitis upon milk production. Jour. Dairy Sci. 18:353-357. June 1935. (A. O. Shaw, Penn. State Col.)
- WORTHLEY, H. N., and MARSTON, L. C., Jr. Codling moth research in 1934. Penn. State Hort. Assoc. Proc. (1935) 76:96-100, 102-104, 106-107. 1935.

Rhode Island

- CRANDALL, F. K. Results at the Rhode Island station from rotation and fertilizing vegetables. Conn. Veg. Growers' Assoc. Rpt. 1934:15-20, 1934.
- GILBERT, B. E., and PEMBER, F. R. Tolerance of certain weeds and grasses to toxic aluminum. Soil Sci. 39:425-429. June 1935.
- ODLUND, T. E. Potatoes and crop rotations. Conn. Veg. Growers' Assoc. Rpt. 1934:26-30. 1934.
- SMITH, J. B. Report on high analysis fertilizers: potential acidity or basicity of fertilizers. Jour. Assoc. Off. Agr. Chem. 18:221-237. May 15, 1935.

South Carolina

- WATTS, J. G. Two new species of Stephanothrips from South Carolina and key to the known species (Urothripidae: Thysanoptera). Ann. Ent. Soc. Amer. 28:126-130. Mar. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(Continued)

Tennessee

- MACINTIRE, W. H. (With R. M. JONES and L. J. HARDIN, Univ. Tenn.) Comparison of filtration by gravity and by suction in washing to remove water-soluble P_2O_5 from analytical charges. Jour. Assoc. Off. Agr. Chem. 18:301-306. May 15, 1935.
- MACINTIRE, W. H. (With L. J. HARDIN, Univ. Tenn.) A modified technic for the determination of citrate-insoluble P_2O_5 . Jour. Assoc. Off. Agr. Chem. 18:297-301. May 15, 1935.
- MACINTIRE, W. H. Report on soils and liming materials. Jour. Assoc. Off. Agr. Chem. 18:203-205. May 15, 1935.
- SHUEY, G. A. A modified method for the removal of added ingredients from phosphated and self-rising flours in order to determine the ash content of the original flour. Cereal Chem. 12:289-294. May 1935.
- SHUEY, G. A. Report on fluorine compounds. Jour. Assoc. Off. Agr. Chem. 18:156-157. May 15, 1935.

Texas

- FRAPS, G. S., and FUDGE, J. F. Decomposition of the base-exchange compounds of soils by acids and its relation to the quantity of alumina and silica dissolved. Jour. Amer. Soc. Agron. 27:446-455. June 1935.
- FRAPS, G. S., FUDGE, J. F., and CARLYLE, E. C. Estimation of iodine in soils. Jour. Assoc. Off. Agr. Chem. 18:314-315. May 15, 1935.
- FRAPS, G. S. Report of fertilizers. Jour. Assoc. Off. Agr. Chem. 18:210-211. May 15, 1935.
- JONES, S. E., and MECOM, W. H. *Petrobia tritici* (Ewing) on onions and its control. Jour. Econ. Ent. 28:650. June 1935. (Notes)
- REINHARD, H. J. New genera and species of American muscoid flies (Tachinidae: Diptera). Ann. Ent. Soc. Amer. 28:160-173. Mar. 1935.
- RONEY, J. N., and THOMAS, F. L. Arsenical substitutes for controlling certain vegetable insects. Jour. Econ. Ent. 28:618-620. June 1935.
- RONEY, J. N., and THOMAS, F. L. Arsenical substitutes for controlling vegetable insects. Jour. Econ. Ent. 28:615-617. June 1935.

Utah

- KNOWLTON, G. F. A dewberry fruit worm. Jour. Econ. Ent. 28:649. June 1935. (Scientific notes)

Virginia

- CAROLUS, R. L. Magnesium deficiency in vegetable crops. Peninsula Hort. Soc. [Del.] Trans. (1934):48:81-87. [1935]
- GROVES, A. B. Fungicides in relation to spray russet and disease control. Peninsula Hort. Soc. [Del.] Trans. (1934) 48:20-24. [1935]
- HESTER, J. B. The influence of lime upon soil reaction and the yield of Irish potatoes. Peninsula Hort. Soc. [Del.] Trans. (1934) 48:45-51. [1935]
- HOUGH, W. S. Codling moth control program in the Shenandoah-Cumberland fruit region. Jour. Econ. Ent. 28:614. June 1935.

Virginia
(Continued)

- HOUGH, W. S. Results of experiments with non-arsenicals for codling moth control. Peninsula Hort. Soc. [Del.] Trans. (1934) 48:12-14. [1935]
- PARKER, M. M. Electrically heated hotbeds for starting early plants. Hort. Soc. [Del.] Trans. (1934) 48:25-29. [1935]
- WALKER, H. G., and ANDERSON, L. D. Summary of results obtained with arsenical substitutes for the control of vegetable crop insects at the Virginia truck experiment station. Jour. Econ. Ent. 28:603-605. June 1935.

West Virginia

- GARBER, R. J., and McILVAINE, T. C. Analysis of variance of corn yields obtained in crop rotation experiments. Jour. Amer. Soc. Agron. 27:480-485. June 1935.

Wisconsin

- ALFONSUS, E. C. The cause of dysentery in honeybees. Jour. Econ. Ent. 28: 568-576. June 1935.
- FRAZIER, W. C. Bacteria and ice cream. Ice Cream Rev. 18(11):92-95. June 1935.
- GORCICA, H. J., PETERSON, W. H., and STEENBOCK, H. The nutritive value of fungi. II. The vitamin B, G and B₄ content of the mycelium of *Aspergillus* Sydowi. Jour. Nutrition 9:691-700. June 10, 1935. (H. J. Gorcica, Univ. Wis.)
- GORCICA, H. J., PETERSON, W. H., and STEENBOCK, H. The nutritive value of fungi. III. The growth of rats on supplemented and unsupplemented mold proteins. Jour. Nutrition 9:701-714. June 10, 1935. (H. J. Gorcica, Univ. Wis.)
- HAMAN, R. W., and STEENBOCK, H. The antirachitic efficiency of irradiated milk, yeast milk, cod liver oil, and irradiated cholesterol. Jour. Nutrition 9(Proc. Amer. Inst. Nutrition)7. June 10, 1935. (Abstract)
- HERRICK, C. A. The tick *Ornithodoros talaje* in Wisconsin homes. Jour. Parasitol. 21:216-217. June 1935. (Research notes)
- HOGGAN, I. A., and JOHNSON, J. A virus of crucifers and other hosts. Phytopathology 25:640-644. June 1935. (In cooperation with U. S. Dept. Agr.)
- McCLUNG, L. S., and McCOY, E. A system for subject reference files for scientific literature. Science n.s. 81:461. May 10, 1935. (Discussion)
- McCOY, E., and McCLUNG, L. S. Studies on anaerobic bacteria. V. The serological agglutination of *Clostridium acetobutylicum* and related species. Jour. Infect. Diseases 56:333-346. May-June 1935.
- RITCHER, P. O., and FLUKE, C. L., jr. Trees and the white grub meance. Jour. Forestry 33:620-621. June 1935.
- STIRN, F. E., ELVEHJEM, C. A., and HART, E. B. Indispensability of zinc in the nutrition of the rat. Jour. Nutrition 9 (Proc. Amer. Inst. Nutrition):9. June 10, 1935. (Abstract)
- TATUM, E. L., PETERSON, W. H., and FRED, E. B. Identification of asparagine as the substance stimulating the production of butyl alcohol by certain bacteria. Jour. Bact. 29:563-572. June 1935.
- THOMSEN, L. C. Care of refrigeration equipment. Ice Cream Rev. 18(11): 56, 58, 60, 62. June 1935.

Illinois

- Home canning of foods for family use. F. W. Tanner and G. B. Armstrong. (Ill. Agr. Col. Agr. Expt. Sta. Circ. 394, rev.) Urbana, 1935.
- Directions for spraying fruits in Illinois. By the Department of Horticulture and Illinois State Natural History Survey. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 429.) Urbana, 1935. A revision of Circ. 388.
- Fighting the Chinch bug on Illinois farms. W. P. Flint and others. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 431.) Urbana, 1935.
- In cooperation with the Illinois State Natural History Survey.

Indiana

- The storage of vegetables. C. E. Baker and W. B. Ward. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 58, 3d rev. ed.) Lafayette, 1935.
- More and better potatoes. W. B. Ward and others. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 89, 5th rev. ed.) Lafayette, 1935.
- Dairy guide. E. A. Gannon. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 139, 3d rev. ed.) Lafayette, 1935.
- A portable brooder house. C. W. Carrick and I. D. Mayer. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 148, rev.) Lafayette, 1935.
- 4-H corn club manual. A. T. Wiancko and W. R. Amick. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 157, 2d rev. ed.) Lafayette, 1935.
- Food preparation club. M. Masten. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 161, rev.) Lafayette, 1935.
- Home canning of fruits and vegetables. R. Jordan. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 164, 3d rev. ed.) Lafayette, 1935.
- Peach pointers. M. McCown. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 171, rev.) Lafayette, 1935.
- Posture for women. B. M. Keller. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 205, rev.) Lafayette, 1935.
- Sweet potato production. W. B. Ward. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 204.) Lafayette, 1935.
- House plants. E. R. Honeywell. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 206,) Lafayette, 1935.
- The mosquito problem in Indiana. J. J. Davis. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 207.) Lafayette, 1935.
- Controlling fire blight by canker treatment and spraying. M. McCown and J. A. McClintock. (Purdue Univ. Dept. Agr. Ext., Ext. Bul. 208.) Lafayette, 1935.
- Varieties of fruit for Indiana. Division of Horticulture. (Purdue Univ., Dept. Agr. Ext. Leaflet 46, 5th rev. ed.) Lafayette, 1935.
- "Necro" in pigs. R. A. Craig. (Purdue Univ. Dept. Agr. Ext. Leaflet 168, rev. ed.) Lafayette, 1935.
- Eradicating weeds with sodium chlorate. O. C. Lee. (Purdue Univ. Dept. Agr. Ext. Leaflet 172, rev. ed.) Lafayette, 1935.
- Korean and other lespedezas. K. E. Beeson. (Purdue Univ. Dept. Agr. Ext. Leaflet 175, rev. ed.) Lafayette, 1935.
- Profits in tomato picking. J. H. MacGillivray. (Purdue Univ. Dept. Agr. Ext. Leaflet 181, rev.) Lafayette, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1935

Indiana, (Continued)

- Soil management and fertilizers for Indiana fruit crops. M. McCown. (Purdue Univ. Dept. Agr. Ext. Leaflet 185, rev. ed.) Lafayette, 1935.
- Currants and gooseberries. C. E. Baker. (Purdue Univ. Dept. Agr. Ext. Leaflet 193.) Lafayette, 1935.
- Control of intestinal worms in poultry. L. P. Doyle. (Purdue Univ. Dept. Agr. Ext. Leaflet 194.) Lafayette, 1935.
- Slipped tendons in chicks. R. E. Roberts. (Purdue Univ. Dept. Agr. Ext. Leaflet 195.) Lafayette, 1935.
- A summer shelter for pullets. C. W. Carrick. (Purdue Univ. Dept. Agr. Ext. Leaflet 196.) Lafayette, 1935.
- Helps for the home garden. (Purdue Univ. Dept. Agr. Ext. [unnumbered] rev.) Lafayette, 1935.

Kansas

- Extension progress. A report of Extension work in agriculture and home economics in Kansas for the years 1932-1933. H. J. C. Umberger. (Kans. State Col. Ext. Bul. 75.) Manhattan, 1934.
- Homemade shower bath, adaptable for every home. W. P. Martin. (Kans. State Col. Ext. Circ. 113.) Manhattan, 1935.
- Farm commodity outlook in Kansas for the spring and summer of 1935. B. W. Wright and V. M. Rucker in cooperation with the Department of agricultural economics. (Kans. State Col. Ext. Circ. 114.) Manhattan, 1935.
- The general business situation. B. W. Wright and others. (Kans. State Col. Ext. Circ. 115.) Manhattan, 1935.

Maine

- Poultry house insulation and ventilation. H. L. Richardson. (Maine Agr. Col. Ext. Bul. 216.) Orono, 1935.

Massachusetts

- False blossom, the most destructive cranberry disease. H. J. Franklin. (Mass. State Col. Ext. Leaflet 154.) Amherst, 1935.
- Compost for the home garden. A. B. Beaumont and A. M. Davis. (Mass. State Col. Ext. Leaflet 155.) Amherst, 1935.

Michigan

- Forest cruiser's handbook, Michigan 4-H forest rangers. R. F. Kroodsmas. (Mich. State Col. Ext. Club. Bul. 27.) East Lansing, 1935.

Minnesota

- Farm buildings that pay. W. Boss. (Minn. Univ. Agr. Ext. Agr. Engin. New Letter no. 38.) University Farm, St. Paul, 1935.

Mississippi

- Corn production in Mississippi. F. J. Hurst and J. F. O'Kelly. (Miss. State Col. Ext. Leaflet 2.) State College, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1935

(continued)

Missouri

Developing healthy children- III. (1 to 2 years) E. M. Heyle. (Mo. Agr. Col. Ext. Circ. 324.) Columbia, 1935. Supersedes Circ. 251.
Developing healthy children- IV. (2 to 5 years) E. M. Heyle. (Mo. Agr. Col. Ext. Circ. 325.) Columbia, 1935. Supersedes Circ. 252.
Economic review and outlook for Missouri farmers. Dec. [1934] Columbia.

New Jersey

Control of anthracnose on red raspberried. J. H. Clark. (N. J. Agr. Col. Ext. Bul. 160.) New Brunswick, 1935.

New York

Some results of farm cost accounts in New York. P. J. Findlen. (N. Y. Agr. Col. (Cornell) Ext. Bul. 318.) Ithaca, 1935.
Farm horse showing. H.asmus. (N.Y. Agr. Col. (Cornell) Ext. Bul. 323) Ithaca, 1935.

Ohio

"When" and "how" in haymaking. R. D. Lewis and C. J. Willard. (Ohio Agr. Col. Ext. Bul. 160.) Columbus, 1935.

Oregon

Home cookery club project. Division III: The dinner club. H. Cowgill. (Oreg. Agr. Col. Ext. Club Ser. M-31.) Corvallis, 1934. Supersedes M-20.

South Carolina

Some pros and cons of the cotton processing tax. O. M. Clark. (Clemson Agr. Col., S.C., Ext. Circ. 142.) Clemson, 1935.

Texas

Production credit for farmers and ranchmen. S. A. McMillan. (Tex. Agr. Col. Ext. [Bul.] B-87.) College Station, 1935.
Preparation of fowls for home and market. Z. McInnis. (Tex. Agr. Col. Ext. [Bul.] B-88.) College Station, 1935.

West Virginia

The homemaker at her best. G. Humphreys. (W. Va. Agr. Col. Ext. Adventures in Better Living, Good Living Ser. III, Lesson no. 7.) Morgantown; [1935]

Wisconsin

Strengthening the farmer's position. Annual report of the Extension service, College of agriculture, University of Wisconsin, 1934. R. Amundson. (Wis. Agr. Col. Ext. Circ. 274.) Madison, 1935.

RECENT BIBLIOGRAPHIES AND LISTS PREPARED IN THE
U. S. DEPARTMENT OF AGRICULTURE

Bureau of Agricultural Economics:

A chronological history of spinning tests in the U. S. Department of Agriculture, 1901-1934. Comp. by Mildred C. Benton. 1935. 12 p. (Issued by Division of cotton marketing branch library) Type-written. May be borrowed for copying.

Flaxseed abstracts and list of references of published reports regarding the uses, oil values, grading, dockage (weed seeds), production and marketing of flaxseed. Comp. by C. Louise Phillips and E. G. Boerner. Rev. 1935. 52 p. (Issued by Grain division) Mimeographed.

Bureau of Entomology and Plant Quarantine:

Bibliography of chloropicrin, 1932-1934. (First supplement to U. S. Department of Agriculture Miscellaneous Publication 176) By R. C. Roark and R. L. Busbey. 1935. 15 p. (Issued by Division of insecticide investigations) Mimeographed

Office of Experiment Stations:

A selected list of references concerning the culture and production of vanilla. Prepared by Cora L. Feldkamp, Librarian. 1935. 6 p. (Issued by Puerto Rico Agricultural experiment station) Mimeographed.

Bureau of Home Economics:

A selected list of references on weight control. 1935. 2 p. Mimeographed.

Library:

Selected references on the history of English agriculture. By Everett E. Edwards, Associate agricultural economist, Division of statistical and historical research, Bureau of agricultural economics. (Bibliographical Contribution No. 24)

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NOTES ON PERIODICALS

American cotton grower. 713 Glenn St., Atlanta, Ga. mo. f^o il. vol. 1, no. 1, Je. 1935. Subscription 50 cents per year.

Conservation. American forestry association, 1713 K St., N.W., Washington, D. C. il. f^o vol. 1, no. 1, Je. 1935. 10 cents per copy; 50 cents per year.

Empire production and export. London. Changed to The Empire producer with no. 224, May 1935.

Entomologische mededeelingen van Nederlandsch-Indie. Dr. J. van der Vecht. Schenk der Jongweg 3 Buitenzorg (Java) frequency not stated. 8^o pl. deel 1, no. 1, Mar. 1, 1935.

Horticultural news. Michigan horticultural society. 1664 National Bank Bldg., Detroit, Mich. quar. 4^o il. vol. 1, no. 1, Oct. 1934. \$1.00 per year.

Mid-south cotton association news. Memphis, Tenn. Changed to Mid-south cotton news with v. 12, no. 7, Feb. 1935.

Westfälischer bauernstand; zeitschrift der Landesbauernschaft Westfalen. Münster. Changed to Landesbauernschaft Westfalen. Wochenblatt, with jahrg. 1935, folge 5, Feb. 2, 1935.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during June 1935, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Commencement address by Dr. R. G. Tugwell at the University of New Mexico, Albuquerque, June 10, 1935. 16p.

Confusion, choice, and unified action. Remarks of Henry A. Wallace at Harvard University, June 20, 1935. 8 p.

The consumer and the land. Address by Henry A. Wallace before the General federation of women's clubs, Detroit, Mich. June 7, 1935. 12 p.

In the third year; address before Gallatin County farm bureau, Bozeman, Montana, by M. L. Wilson, June 4, 1935. 18 p.

Agricultural Adjustment Administration

A land use program for the cotton belt. Adapted from an address by H. R. Tolley before the Association of southern agricultural workers, Atlanta, Georgia, Feb. 1, 1935. 11 p. (Discussion statement no. 17)

Some facts about agricultural exports. Adapted from a statement by Chester C. Davis before the Senate committee on agriculture and forestry, Feb. 4, 1935. 10 p. (Discussion statement no. 18)

World peace and agriculture. Address of Chester C. Davis before the Institute of international relations, at Grinnell, Iowa, June 12, 1935. 19 p.

Bureau of Agricultural Economics

Brief review of the 1935 vegetable shipping season. 1935. 3 p. (In cooperation with Florida state marketing bureau)

Color tables for converting areas of selected disks to terms of hue, brilliance, and chroma. Compiled by Dorothy Nickerson. 1935. v. p.

Consumption of American and other growths of cotton in Japan. By Fred Taylor and Rodney Whitaker. A preliminary report. 1935. 41 p. (Issued by Foreign agricultural service division and Division of cotton marketing)

Development of standards for grades of cottonseed. By G. S. Meloy. 1935. 31 p. (Issued by Division of cotton marketing)

Farm taxes in twenty states - 1933 to 1934. 1935. 2 p. (Issued by Division of agricultural finance)

*Bibliographies included in general list of bibliographies on page 280.

**For a list of the principal series issued regularly, see v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (Continued)

- List of manufacturers of fruit and vegetable hampers and baskets and manufacturers' identification numbers. Rev. to June 1935. Comp. by Gladys Burrows under the direction of L. C. Carey. 1935. 21 p. (Issued by Division of fruits and vegetables)
- Marketing Michigan potatoes, 1934-35 season. 1935. 7 p. (In cooperation with Michigan Department of agriculture, Bureau of foods and standards)
- Marketing northwestern fresh cherries. A summary of the 1934 season with comparisons. By M. M. Thomas. 1935. 10 p. (Issued by Division of fruits and vegetables)
- Marketing potatoes. Kaw valley, Kansas, Orrick district, Missouri, Arkansas, Oklahoma. Summary of 1934 season. 1935. 15 p.
- Marketing Texas cabbage; brief review of 1934-35 season. By W. D. Googe. 1935. 15 p. (Issued by Division of fruits and vegetables in cooperation with Texas Department of agriculture)
- Marketing Washington lettuce, cauliflower and green peas; summary of 1934 season. By L. S. Fenn, L. B. Gerry. 1935. 22 p.
- Milk equivalent of production of manufactured dairy products by states, 1929-1933. 1935. 10 tables. (Issued by Divisions of crop and livestock estimates, Dairy and poultry products, Statistical and historical research)
- Preliminary review of the North Carolina strawberry season, 1935. 1935. 3 p. (In cooperation with North Carolina Department of agriculture)
- Receipts from the sale of principal farm products by states, including rental and benefit payments, April 1932-1935 and January-April 1932-1935. 1935. 4 p.
- A review of marketing western and central New York potatoes; season, 1934-35. 1935. 10 p. (In cooperation with New York State Department of agriculture and markets)
- A review on marketing western and central New York carrots, season 1934-35. 1935. 4 p. (In cooperation with New York State Department of agriculture and markets)
- Tax delinquency of rural real estate in four Nevada counties, 1928-33. 1935. 13 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 14 North Dakota counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 10 New Mexico counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (Continued)

- Tax delinquency of rural real estate in nine Wyoming counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in seven Washington counties, 1928-33. 1935. 13 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 33 West Virginia counties, 1928-33. 1935. 13 p. (Issued by Division of agricultural finance)
- Tentative United States standards for grades of canned carrots (Effective June 1, 1935) 1935. 8 p.
- United States standards for grades of canned beets (Effective May 21, 1935) 8 p.
- U. S. standards for growers' stock strawberries for manufacture. Effective June 1, 1935. 4 p.
- U. S. standards for washed and sorted strawberries for freezing. Effective June 1, 1935. 2 p.
- Warehousemen licensed under United States warehouse act as of the close of May 31, 1935. 1935. 19 p.

Bureau of Biological Survey

- Birds aid blueberry and cranberry growers. By Phoebe Knappen. 1935. 4 p. (Wildlife research and management leaflet BS-11)
- The possibility of secondary poisoning from thallium used in the control of rodents. By F. E. Garlough. 1935. 2 p. (Wildlife research and management leaflet BS-10) (Issued by Division of game management)
- The waterfowl situation: 1934 - 35. 1935. 17 p.

Bureau of Entomology and Plant Quarantine

- A breeding cage for parasites. By J. W. Folsom. 1935. 1 p. (ET-56) (Issued by Division of cotton insect investigations)
- A covered sifter for separating insects from host material. By Heber C. Donohoe. 1935. 1 p. (ET-53) (Issued by Division of fruit insects)
- A four-compartment dissection dish. By Heber C. Donohoe. 1935. 1 p. (ET-55) (Issued by Division of fruit insects)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Entomology and Plant Quarantine (Continued)

- An improved cyanidekilling jar. By W. J. Buckhorn. 1935. 3 p. (ET-57)
(Issued by Division of forest insect investigations)
- Methods and apparatus developed for studying dispersion of mitidulids. By Dwight F. Barnes. 1935. 2 p. (ET-51) (Issued by Division of fruit insects)
- Parasite-proof screen lids for coll ecting and rearing jars. By Heber C. Donohoe. 1935. 1 p. (ET-54) (Issued by Division of fruit insects)
- A review of non-chemical United States patents issued from 1917 to 1933, inclusive, relating to insect control. By R. C. Roark. 1935. 4 p. (Issued by Division of insecticide investigations)
- Segregation cells for insect pupae. By Charles K. Fisher and Heber C. Donohoe. 1935. 1 p. (ET-52) (Issued by Division of fruit insects)

Extension Service

- A study of the functions and activities of the United States Civil service commission. By Mildred Ives and Edwin Matzen. 1935. 21 p. (Extension service circular 215) (Issued by Division of cooperative extension)

Forest Service

- Economic and social importance of a sustained supply of raw material for the wood-using industries in the Lake states. By R. D. Garver. 1935. 8 p. (Issued by Forest products laboratory)
- Permanent rehabilitation through the national forest work program in southern Missouri. 1934. unp.
- Population stabilization and social relief through a five year work program in the national forests of the North Central region. By F. A. Ineson. 1934. 11 p.
- Proposed "subsistence homestead" community on the Nicolet national forest at Hiles, Wisconsin. By F. A. Ineson. 1934. 15 p.
- Selective logging in the loblolly and longleaf pine forests of South Carolina. By R. D. Garver and J. B. Cuno. 1935. 13 p. plates. (Issued by Forest products laboratory)
- "Subsistence homestead" communities and the Huron national forest. By F. A. Ineson. 1934. 49 p.

Grain Futures Administration

- Relationship between daily price range and net price change, opening to close, of the dominant wheat future and the daily volume of trading in wheat futures on the Chicago board of trade. By Paul Mehl. 1935. 8 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Bureau of Home Economics

Community canning centers. By Mabel C. Stienbarger and Miriam Birdseye.
May 1935. 15 p. [Revised]

Home methods of preserving eggs. 1935. 2 p. (Issued by Food utilization
section)

Vitamin content of foods - a digest of available data. By Hazel E. Munsell
and Esther Peterson Daniel. 1935. 8 p.

Library

Biblio-film service operating in the Library of the U. S. Department of
Agriculture. 1935. 2 p.

Bureau of Plant Industry

Instructions for the planting and care of cooperative shelter belts and wind-
breaks on the Central Great Plains. By J. L. Emerson. 1935. 21 p. (Issued
by Division of fruit and vegetable crops and diseases)

Results from the cooperative coordinated oat breeding and uniform winter-
hardiness of nurseries in the United States, 1925-1934. Comp. by F. A.
Coffman, 1935. 74 p. (Issued by Division of cereal crops and diseases)

Soil Conservation Service

Control of wind erosion. A radio interview between Leland Barrows and Morse
Salisbury, July 11, 1935, National farm and home hour, NBC. 5 p.

Cost schedule for emergency conservation work camps, 1935. 26 p.

Cost schedule for Soil conservation demonstrational projects, 1935. 26 p.

Detailed soil erosion survey: outline of procedure for making detailed soil
erosion surveys on Soil conservation service projects. Rev. June 1, 1935.
24 p.

Special SCS training course for ECW camps prepared by project no. 2, Bethany,
Missouri, 1935. 12 p.

Strip cropping. By Lyman Carrier and Walter V. Kell. Rev. May 1935. 7 p.

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TRANSLATIONS OF SCIENTIFIC PUBLICATIONS

With the increasing number of important scientific publications which are issued in foreign languages, research workers are finding it most difficult to keep informed regarding the literature of their subjects. This is particularly true in the case of publications in the less well known languages such as the Oriental, Slavic and Scandinavian languages. But research workers doing fundamental work can hardly be content to follow simply the literature of their subject which is issued in English. They must also attempt at least to know what is written in other languages. To do this they are now obliged to spend an undue amount of time in the translating of articles on their subjects unless they happen to be unusually proficient in languages. Abstract journals solve the difficulty only in part, as the abstracts must necessarily be brief. They omit many details which specialists need. There is apparently a growing realization of this situation on the part of research workers in agriculture and of the consequent need for making available in English as much as possible of the important work which is being published in other countries. Unfortunately, the "Index Translationum" issued by the International Institute of Intellectual Cooperation of the League of Nations lists very few translations of scientific articles. It is true that many scientific institutions have for a good many years carried translators on their rolls and valuable translations have been made. In the past year or two a number of the large translating projects have been financed from emergency funds. In the Department of Agriculture two large projects of this kind are in progress and similar projects have been carried on, either on a large or small scale, in some of the State institutions. Little attempt has, however, been made to coordinate any of this work or to make any translations available except for the use of the particular person or office that had the translation made. It seems probable that the volume of translations which exist in the files of the Department of Agriculture and in several of the State institutions is very considerable and when one stops to consider the large amount of time involved in the making of these translations, it seems most unfortunate that they should not be more generally available. Through greater cooperation in this work its benefits could be much extended. One of the essentials of this cooperation would seem to be the greater centralization of the files of translations and some medium for announcing the existence of the translations which have been made.

In the Department of Agriculture, the Library has recently undertaken to maintain a special file of translations and is desirous of increasing the collection. In this effort it has had the special cooperation of the Division of Forest Pathology of the Bureau of Plant Industry which has sent the Library copies of more than 300 articles translated in connection with its translating project financed through emergency funds. These translations have been listed currently in Plant Science Literature issued by the Bureau of Plant Industry. An earnest plea is made for the cooperation of other bureaus of the Department in furnishing carbon copies of translations which may be made in their offices in the future. In the case of translations which have been made in the past and are filed in the offices, the Library would be glad if a list of them could be furnished. Of some of the important translations it might be possible to make either typewritten or photographic copies for the Library's collection. It would be most desirable at least to have a complete central list of all the translations which are on file in the Department.

TRANSLATIONS OF SCIENTIFIC PUBLICATIONS
(continued)

To extend this cooperation in translating projects to the State agricultural colleges and experiment stations would seem to be within the realm of the possible. Librarians of the colleges and stations, if willing to make a search, will probably find that many of the scientists have valuable translations tucked away in their files where they are not available for any one else. To unearth these translations and to prepare a list of them to be kept in their libraries would be a service to their institutions. If they could go one step further and send copies of the list to the Department of Agriculture Library for its central file of translations, all of the cooperating institutions would benefit. Some translations now on file may be in long hand and would need to be copied before they could be made available. When the translation is being typed it would require little additional work to make an additional copy for deposit in the central file in the Department of Agriculture. It is hoped that the colleges and stations may be willing to cooperate in this way in return for the use of translations which may be available in the files of the Department. A further benefit resulting from cooperation in the translating work is that it would tend to prevent duplication of translations. In the organization of its translating file, the Division of Forest Pathology recently found that one article had already been translated independently by several different members of the Division, in each case quite laboriously. Duplication of this kind is a great waste of time for technical men except in so far as they wish to keep up with some particular language in order to be able to use it at any time.

After the translating work of the Department is fully organized it is hoped that it may be possible to issue a current list of translations. In the case of any copies of translations which may be furnished to the Library, it is recommended that the following information be given on the front page of the translation: The title in the foreign language as well as the translated title; the full citation to the publication in which the article appears; the name of the author of the article; the name of the cooperating division supplying the translation; and the name of the translator.

As this translating project is in the initial stage of organization, the Library of the Department of Agriculture would be glad to have suggestions from librarians and scientific workers who may be interested in the undertaking.

Claribel R. Barnett, Librarian.

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LIBRARY CHANGES

As the Chemistry Building at 216 Thirteenth Street, Southwest, is soon to be torn down to make way for the completion of wings 2 and 3 of the South Building, the Library of the Bureau of Chemistry and Soils, which has been located on the second floor of the Chemistry Building, is now being consolidated with the main Library collections. The chemical books will be located on Deck B in the stacks. The current periodicals will be on file in the Periodical Reading Room.

Mrs. Ella P. Little has recently been appointed to take charge of the Region 7 library of the U. S. Forest Service, located in the Victor Building, Washington, D. C.

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AN EARLY AZTEC HERBAL

The following extracts are taken from a pamphlet by Emily Walcott Emmart, entitled "Concerning the Badianus manuscript, an Aztec herbal, 'Codex Barberini', Latin 241 (Vatican Library)" which was recently published by the Smithsonian Institution (Smithsonian Miscellaneous Collections, vol. 94, no.2). In his foreword to the pamphlet, Dr. C. G. Abbot, Secretary of the Smithsonian Institution, speaks of it as follows: "The present pamphlet is published to make known the discovery of the Badianus Manuscript in the Vatican Library and to give an idea of the value and interest of this Aztec herbal. It is believed to be the earliest herbal produced on this side of the Atlantic and from this consideration alone it deserves all the notice that it will undoubtedly receive."

"The Badianus manuscript is a sixteenth century Mexican Herbal composed in the year 1552 in the famous College of Santa Cruz at Tlaltelolco, Mexico City. This beautiful manuscript has long been in the possession of the Vatican Library, where its real identity has been obscured by the title 'Codex Barberini, Latin 241'. Except for a few scholars, it was practically unknown until 5 years ago, when, through the generosity of Ambassador Charles G. Dawes, the Smithsonian Institution sent Dr. Charles U. Clark to Europe in search of early Latin American texts. Through the courtesy of the Vatican Library, Dr. Clark was able to obtain photographs of the original manuscript, and it is from these that the present translation has been made. The manuscript is a complete herbal consisting of 63 folios approximately 6 by 8-1/4 inches in size, clearly written in Latin and Aztec...

"The herbal is the work of two Aztecs who were educated at the College of Santa Cruz. It was first written in Aztec and then, with the exception of the names of the plants, stones, and animals, translated into Latin within the same year. The exact title reads as follows:

A book of Indian Medical Herbs composed by a certain Indian physician of the College of Santa Cruz, who is not theoretically learned, but is taught only by experience. In the year of our Lord Saviour 1552.

"There seems little doubt that the principal author of the manuscript is one Martin de la Cruz, whose name appears in the first line of the dedication; the second author is Juannes Badianus, the translator, whose signature appears in the postscript at the end of the last chapter. Both of these men were natives taught in the first college erected for the Indians, the College of Santa Cruz.

"The Manuscript is fittingly dedicated to Don Francisco de Mendoza, son of Don Antonio de Mendoza, the first viceroy to New Spain...

"The herbal was written at the request of Don Francisco de Mendoza and was intended as a gift to 'His Holy Caesarian Royal Catholic Majesty' — Charles V. It is evident that Don Francisco, who followed in his famous father's footsteps in fostering the protection and education of the Indians, wished to commend the work of the Indians and to enlist His Majesty's support of the College of Santa Cruz... Whether this beautiful little manuscript ever came into the hands of Charles V is not known, but Mendieta records the fact that His Majesty contributed to the support of the College...

AN EARLY AZTEC HERBAL
(continued)

"Besides the personal interest of Don Francisco in herbs and his desire to foster the education of the Indians, a third and more forceful influence gave impetus to the writing of this herbal; namely the demand on the part of Europeans for herbs and medicaments.

"The expansion of the West had been stimulated by a desire to find a shorter trade route to the spice-producing countries of the East. The tales and accounts of voyages of Columbus (1492-1502), Vespucci (1499-1503), Balboa (1512-13) and Magellan (1519-22) and others had already awakened Europeans to the value of spices and herbs from the New World. With the coming of Cortez and the fall of Tenochtitlan in 1521, news of the medical knowledge of the Aztecs drifted back to Europe. In a letter to Charles V concerning the district of Tlaltemolco, the marketplace of Tenochtitlan, Cortez mentions especially a street of 'herb sellers where there are all manner of roots and medicinal plants that are found in the land. There are houses as it were of apothecaries where they sell medicines made from these herbs both for drinking and for use as ointments and salves'.

"These letters, accounts of ship captains and explorers, even at this early date carried news to Europe of a knowledge of the use of herbs and medicaments which appeared to rival that of the Old World. This interest is reflected in accounts of later historians and travelers, and in the works of some of the great European herbalists of the sixteenth century...

"Of all those who taught in the College of Santa Cruz, Friar Bernardino de Sahagun was the most eminent. Of his long life in Mexico (1529-1590), a large part was spent at Tlaltemolco. He was the first of the Europeans to gather together data on native materia medica. For the most part this was assembled in books 10 and 11 of his 'Historia General de las Cosas de Nueva Espana'...

"As might be expected, the medical writings of Sahagun and text of the Badianus manuscript are closely related in subject matter as well as in the etymology of the Aztec words. However, the former is written in the manner of a notebook while the latter is a completely organized treatise. Also the Badianus manuscript deals with many more plants than the Sahagun. The illustrations are superior to the Sahagun manuscript both in number and in anatomical detail.

"The Badianus manuscript holds the unique position of being the earliest written Aztec herbal as well as being the only one written by the Aztecs themselves. It marks the beginning of herbal literature on this side of the Atlantic. To the list of native Aztec students of the College of Santa Cruz who distinguished themselves in the field of letters, we add the names of Martin de la Cruz and Juannes Badianus. The volume is a lasting tribute to the teachings of Fr. Bernardino de Sahagun and the brothers of the Franciscan order who taught at Tlaltemolco during the first 50 years of its existence."

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BOOKS AND THE FARMER

By Sir E. John Russell, Director, Rothamsted Experimental Station

[Editorial Note: The following article on "Books and the Farmer" by Sir E. John Russell, is an address which he delivered at the 10th annual conference of the Association of Special Libraries and Information Bureaux in Bristol, England, in 1933. The address has since been published in the Proceedings of the Association and also has been issued as a reprint. It is believed, however, that it has had only a limited distribution in this country. Therefore, on account of its value to agricultural librarians and others interested in agricultural literature, it was decided to ask the author's permission to republish it in Agricultural Library Notes. This permission was graciously granted. The address divides itself quite naturally into three parts, (1) journals, (2) old books, and (3) modern books. As it is impossible to include it in complete form in this issue, it will appear, with only a few omissions, in three instalments, the first in this issue, the second in the August issue, and the third in the September issue of Agricultural Library Notes]

There are two groups of readers coming within my title "farmer" for whom a library should cater: the expert adviser and the actual tiller of the soil. On the whole it is easier, though perhaps more expensive, to cater for the expert than for the farmer. The expert knows what he wants: you can either supply it or you cannot. Expert treatises, however, have so short a life, and editions follow each other so quickly, that only the largest libraries can hope to keep up with them. Fortunately in agriculture some useful series of monographs have been published, and if these are kept up to date they supply the expert with the main outlines and put him in the way of obtaining the details. Two series of monographs should be in every library: the Ministry of Agriculture series, which are the cheapest of all, costing only a few shillings each;* and the Rothamsted series, dealing with agricultural science, costing rather more. These monographs give general accounts of the various aspects of agriculture and agricultural science and they furnish the expert with the references to books and journals from which the full details can be obtained. In addition certain government publications which are very inexpensive but of great value should be in all libraries that set out to help farmers and agricultural experts:

- (1) The Agricultural Statistics published annually by the Ministries or Boards of Agriculture for England and Wales, Scotland, Northern Ireland and the Irish Free State.
- (2) The Agricultural Output and the Food Supplies of Great Britain, 1929 (Ministry of Agriculture).
- (3) The Agricultural Output of England and Wales, 1925. This is one of the best accounts of English agricultural production that has yet appeared.
- (4) The Economic Series (Orange Reports) of the Ministry of Agriculture.
- (5) The Reports of the Empire Marketing Board: usually each deals with a particular group of commodities.
- (6) The Year Books of the Dominions.

*The earlier issues were called Monographs; later ones are called Bulletins.

BOOKS AND THE FARMER (continued)

These usually give the expert and the farmer all the information about farm products required for ordinary purposes. It is, however, necessary to warn the reader that he should study the footnotes to the tables and particularly observe the regions for which the statistics hold. There are so many pitfalls. The expression "the United Kingdom" changed its meaning on January 1st, 1922, when Southern Ireland became the Irish Free State and ceased to be included. Statistics before that date and after that date are therefore not directly comparable and some correction is needed. The Ministry of Agriculture and the Empire Marketing Board do not deal with the same region: the reports are perfectly clear, but the readers do not always take notice of the difference. The Ministry of Agriculture statistics refer only to England and Wales except in the summaries where they refer to Great Britain and the whole of Ireland, Irish Free State included. The Empire Marketing Board statistics on the other hand refer to the present United Kingdom including the Isle of Man and the Channel Islands but excluding the Irish Free State. The two sets of figures are therefore not comparable. Particular care is always needed in quoting statistics: personally I got mine checked by friendly helpers at the Ministry of Agriculture or the Agricultural Economics Research Institute, Oxford, and, while one could hardly issue a general recommendation to this effect, readers should always be urged to discover precisely what the figures are intended to express.

It is a commonplace that no book ever gives quite the information one wants: the author always seems most obtusely to miss the one thing we wish to know about. Fortunately this difficulty has been largely overcome so far as the agricultural expert is concerned. Thanks to the strong line taken by the Imperial Agricultural Conference at Westminster in 1927, there are now established in this country eight agricultural bureaux the function of which is to supply information on subjects coming within their purview to any agricultural expert within the Empire. The prescribed channel of communication is through the official correspondent, but in practice a very liberal interpretation is put on this, and information is freely given to any bona fide enquirer. Certainly any enquiry from a librarian would receive full attention. The Bureaux are as follows:

Subject	Name of Bureau	Address
Soils, Fertilisers, and Crop Production.	Imperial Bureau of Soil Science. Director, Sir E.J. Russell.	Rothamsted Experimental Station, Harpenden.
Animal Health and Disease	Imperial Bureau of Animal Health. Director, W. Horner Andrews, D. Sc.	Veterinary Laboratory, New Haw, Weybridge, Surrey.
Animal Nutrition: Relation of Food to Disease	Imperial Bureau of Animal Nutrition. Director, J.B. Orr, D.Sc., F.R.S.	The Reid Library, Rowett Institute, Bucksburn, Aberdeen

BOOKS AND THE FARMER
(continued)

Plant Breeding, especially Cereals.	Imperial Bureau of Plant Genetics. Director, Sir R.H.Biffen, F.R.S.	School of Agriculture, Cambridge.
Grasses and Forage Crops	Imperial Bureau of Plant Genetics. Director, Prof. Stapledon	Agricultural Buildings, Alexandra Rd., Aberystwyth
Fruit Growing and Transport	Imperial Bureau of Fruit Production. Director, R.G.Hatton, M.A.	East Malling Research Station, Kent.
Breeding of Animals, Genetics.	Imperial Bureau of Animal Genetics Director, F.A.E. Crew, D.Sc.	King's Buildings, Edinburgh University.
Parasites of Animals	Imperial Bureau of Agricultural Parasitology. Director, R.T.Leiper, D.Sc.	Winches Farm, Hatfield Rd., St. Albans.

If the enquiry obviously fits any of these Bureaux it should be sent straight in and it will be answered: if a book or journal has to be consulted by the enquirer the appropriate reference will be given and you will be told where the volume could be borrowed. You need have no hesitation whatever in approaching any of the Bureaux and if you are in doubt as to which is the appropriate one, send the enquiry to the Soil Bureau at Rothamsted and it will be passed on to the proper quarter. I cannot too strongly commend the Bureaux to your notice: they have very efficient methods for collecting and transmitting information on their special subjects.

Fortunately there are now in operation various methods for borrowing books and journals which the library does not possess. The National Central Library and the Science Library, South Kensington, suffice for most ordinary purposes. Many of the special books and journals wanted by the agricultural expert can be borrowed from the library of the Ministry of Agriculture, Whitehall, merely on payment of postage: the procedure is perfectly simple: you write up to the secretary on official library paper and the book comes by return of post. If the Ministry does not possess the volume the Royal Agricultural Society may possess it and be willing to lend it. The borrowing of journals is more difficult than that of books. The World List of Scientific Periodicals shows the library in which (if available at all) it can be found; alternatively the National Central Library (Malet Place, London, W.C.1) or the Science Library may be able to locate it and even arrange for it to be borrowed. Journals, however, are often irreplaceable and therefore not sent out on loan: in that event there is nothing for it but to tell the would-be borrower where to go and furnish him, if necessary, with an introduction. Our position at Rothamsted is that we are prepared to lend through the National Central Library any book that could be replaced if lost but we do not lend journals or books that are now out of print. We are, however, always glad to receive students and enquirers in our library and give them all the help we can in finding their way through the extensive literature of agriculture and agricultural science.

BOOKS AND THE FARMER
(continued)

This question of Journals is a growing difficulty with which I confess I see no way of dealing. It is far worse than the problem presented by books. Most of us can decline to buy books on the score that if the book is a good one it will go into a second edition and we can buy it then, while if it is bad or indifferent we don't want it anyway. But a journal is different. It is the most dreadful and insidious form of compulsory purchase ever invented. If you are induced to subscribe for one year you feel you must go on: an incomplete or broken set is revolting to all the best feelings of the true librarian; so for years the parts pile up, occupying good shelf space and draining financial resources to pay for the indispensable binding. Before the War the numbers were manageable; since the War they have risen enormously and they still continue to rise. At Rothamsted, though we set up to be only an agricultural library, we have to take over 600 journals and periodicals. But it ill befits me to grumble for I took an active part in starting yet another one last year.

The reason is, of course, the enormous increase in numbers of scientific workers all over the world. At present every one of them feels bound, if he wishes to get on in life, to publish at least one paper a year. Enthusiastic heads of departments feel that they must grind out papers corresponding in number to the size of the department. Most of them, in conformity with university regulations, publish the students' exercises that gained the M.Sc. or Ph.D. degrees. Some publish almost all of their note-books; some do even more. "I don't mind him publishing his note-books" said one scientist of a colleague, "what I do object to is his publishing his entire waste-paper-basket."

But there it is! For the expert and the scientist this is the age of journals: and librarians are in the unfortunate position that a journal once taken must always be taken.

Of course the journals are not much read: they are received and entered up, particular papers are noted for possible future use; one or two may even be read. But they cannot be ignored, and so the Abstract Journal has grown up; a journal which itself publishes no original work but only abstracts of what appears in other journals. Those necessary for the agricultural expert are:

Biological Abstracts (superseding Botanical Abstracts and
Abstracts of Bacteriology). (U.S.A.)
British Chemical Abstracts.
Chemical Abstracts. (U.S.A.)
Experiment Station Record. (U.S.A.)
Zentralblatt für Bakteriologie
Biedermann's Zentralblatt für Agrikulturchemie
Proceedings of the International Society of Soil Science.

The abstracts, however, often appear much later than the original paper, and as an early source of information the Agricultural Index published by the H. W. Wilson Company, is useful; it gives the titles of papers of agricultural interest appearing in current scientific journals.

Usually, the abstracts give the expert all the information he wants, but not always, and then he wishes to see the full paper. The reference may be to some journal unobtainable by the methods I have already described: perhaps some obscure journal the title of which is so abbreviated that even the language in which it is written is not recognisable. You need not despair, however; the Agricultural Bureau may still help you, for they have in addition to their regular supply of journals (which they cannot lend out) a large number of reprints of separate papers which they can lend, and they can often obtain others which they do not possess. By applying to the Bureau you may be able to borrow a reprint of the paper wanted even though the entire journal be unobtainable.

The Bureaux are able to give still further help. Before the War practically all the important papers and reports in science and agriculture were published in English, French, German, and Italian. If you could read these languages you could review most of the progress in agricultural science and practice. But since the War the wave of nationalism which has done so much to complicate trade, industry, and economic activity, has been at least as effective in complicating scientific work. Russia, which formerly produced few--though good--papers on agricultural science, now publishes more voluminously than any other country, and almost invariably in Russian. It is exceedingly difficult to keep the sets of periodicals complete, so numerous are they and so sudden in their appearances and disappearances; as a further complication the numbering is not always consecutive and No. 5 may appear before No. 3. Yet the more important of them at any rate must be available to the expert. If this were all it would simply add one more language to the list. But it is not all. Among the nations set free after the War are some very gifted agriculturists and scientific workers whose investigations cannot be ignored by an agricultural expert concerned with their particular subject. But with the liberation of the nations came also the liberation of their languages, which even the most ruthless oppressors never succeeded in stamping out. The use of their own language is for the people of these new nations a pious exercise which they most passionately and devotedly perform. Scientific workers in these newly liberated nations now publish in their own languages, and not, as before the War, in one of the great international languages. So an agricultural expert in this country, having obtained access to a paper he wants, may have the mortification of finding that it is published in a language which he not only cannot read but may not even be able to identify. The Rothamsted library now receives journals in twenty-four different languages, and still more are threatened. When some of my friends and colleagues in the Ukraine told me they were proposing to publish a new journal of agricultural science in their own language I retorted that we would flatly refuse to read it. Their reply was "We shall do such good work that you will have to read it." Our Armenian colleagues have gone a step further. They not only use their native language for their scientific papers but they have invented a new script in which to write it. The script is certainly attractive to look at; it is not broken up into any recognisable letters but has the easy flow and rounded curves of Persian. I recently sent up an Armenian paper to our translating staff for a summary but it came back

BOOKS AND THE FARMER
(continued)

with the comment "We are sorry, but we don't read fret-work." The Poles, the Czechoslovakians, the Hungarians, the Rumanians, the Latvians, the Palestinian Jews are doing admirable work in agricultural science and practice but publishing it in their own language. Some of these languages have never in the past been used for science or indeed for any high intellectual activity: they contained no scientific terms; sometimes not even a word to express so simple a notion as a "percentage." Quite undeterred by this difficulty the scientific workers have proceeded to make up new words to express modern scientific conceptions. I for one do not blame them: during the long years of oppression their language was the chief tie that kept them together; children learnt it from their mothers, sometimes under difficulties and even threats of dire penalty. By a true instinct they knew that so long as they kept their language they had the key which would one day loosen their fetters, and now that they have their liberty they are remaining faithful to the old mother tongue.

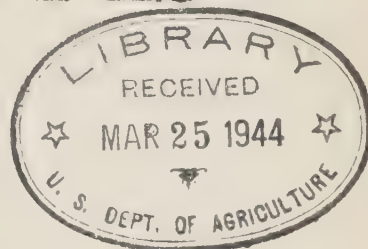
"Quand un peuple tombe esclave, tant qu'il tient bien à sa langue,
c'est comme s'il tenait la clef de sa prison.--(A. Daudet).

It is quite usual for these workers to add a summary in one of the three common languages, English, French, or German, but this usually whets one's curiosity rather than satisfies it. One obvious solution would be to publish all the papers not only in the native language but in one of the three others: this, however, is overruled at once by the insuperable objection that the cost of printing, already almost unbearable, would be doubled, and the space on the library shelves would be consumed at double the pace; for when it comes to detailed discussions translations are not entirely valid evidence. The Bureaux meet the difficulty for all ordinary cases, as they are prepared to undertake or arrange for translations, and to furnish at very cheap rates photostat copies of tables, diagrams, or if need be the whole paper.

(To be continued in the August 1935 issue)

AGRICULTURAL LIBRARY NOTES

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ISSUED MONTHLY
BY THE
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY

WASHINGTON
D. C.

PRINCIPAL LIBRARY ACCESSIONS

Agricultural engineering

BROWN, C. A. C. Pumps for farm water supply. Oxford, Institute for research in agricultural engineering, University of Oxford, 1934.

OXFORD. UNIVERSITY. INSTITUTE FOR RESEARCH IN AGRICULTURAL ENGINEERING.

Some trends in mechanised farming. pt. 1. Oxford, 1934.

WALKER, C. A survey of agricultural engineering. Corvallis, Ore., Co-op book store, 1935.

Agriculture

McINTOSH, D. C., and others. Agriculture for elementary schools. New York, American book company, 1935.

WEBBER, H. J. What research has done for subtropical agriculture. Berkeley, Agricultural experiment station, College of agriculture, University of California, 1934.

Agriculture. Economic aspects

COMMITTEE FOR ECONOMIC RECOVERY. Long live king cotton. New York, 1935.

COSTERUS, P. M. The solution of the world crisis. [n.p.] 1935.

GT. BRIT. PIGS MARKETING BOARD. The development scheme under the Agricultural marketing act, 1933, for organising the production of bacon in Great Britain. London, 1935.

INTERNATIONAL INSTITUTE OF AGRICULTURE. International problems of agriculture. Rome, Colombo, 1935.

JENKS, J. E. F., and PEDDIE, J. T. Farming and money. London, Christian state publishing co., 1935.

JOINT CONFERENCE OF REPRESENTATIVES OF AGRICULTURE, INDUSTRY AND SCIENCE, Dearborn, Mich., 1935. Proceedings. New York, Chemical foundation, 1935.

NATIONAL COOPERATIVE MILK PRODUCERS' FEDERATION. What the AAA amendments will do to help farmers. Washington [1935?] (Educational series. no. 4)

Apiculture

ROOT, A. I., and ROOT, E. R. The A B C and X Y Z of bee culture. Medina, O., A. I. Root, 1935.

Bacteriology

HENRICI, A. T. The biology of bacteria. Boston. Heath. 1934.

Biography

AMERICAN WOMEN; the official who's who among the women of the nation, 1935/36. v. 1. Los Angeles, Blank, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Botany

- ARBELAEZ, E. P. Las plantas, vida y su clasificacion. Bogota, Imprenta nacional, 1935.
- BESSEY, E. A. A text-book of mycology. Philadelphia, Blakiston, 1935.
- BRITON-JONES, H. R. The diseases and curing of cacao. London, Macmillan, 1934.
- BROWN, W. H. The plant kingdom. Boston, Ginn, 1935.
- CHAMBERLAIN, C. J. Gymnosperms. Chicago, University of Chicago press, 1935.
- CHOUARD, P. La multiplication vegetative et le bourgeonnement chez les plantes vasculaires. Paris, Hermann, 1934. (Actualités scientifiques et industrielles, 134. Exposés de biologie végétale. I)
- CHRONICA BOTANICA v. 1. Leiden, 1935.
- CURTIS, O. F. The translocation of solutes in plants. New York, McGraw-Hill, 1935.
- FISK, E. L., and ADDOMS, R. M. A laboratory manual of general botany. New York, Macmillan, 1935.
- GAGER, C. S. The plant world. New York, University society, 1934.
- GREEN, G. R. Trees of North America. v. 2. Ann Arbor, Edwards, 1934. Litho-printed.
- LEDERER, E. Les caroténoïdes des plantes. Paris, Hermann, 1934. (Actualités scientifiques et industrielles, 137. Exposés de chimie biologique. I)
- MUNZ, P. A. A manual of southern California botany. Claremont, Calif., Scripps publishing fund, 1935.
- OGDEN, E. C. The herbaceous flowering plants growing without cultivation in the vicinity of Orono, Maine. Orono, 1935. (University of Maine Studies. Second series, no. 34)
- SINNOTT, E. W. Botany; principles and problems. Ed. 3. New York, McGraw-Hill, 1935.
- SNELL, W. H., and CHURCH, G. L. Plants and their relations to man. Ann Arbor, Edwards, 1934. Lithographed.
- SWINGLE, D. B. Plant Life. New York, Van Nostrand, 1935.
- WARDLAW, C. W. Diseases of the banana and of the Manila hemp plant. London, Macmillan, 1935.
- WERTHNER, W. B. Some American trees. New York, Macmillan, 1935.

Chemistry

- AMERICAN CHEMICAL SOCIETY. Our chemical heritage. New York, 1935.
- CHEMICAL INDUSTRIES. Chemical industry's contribution to the nation: 1635-1935. New York, 1935.
- CONGRÈS INTERNATIONAL TECHNIQUE ET CHIMIQUE DES INDUSTRIES AGRICOLES. 3d, Paris, 1934. Rapports sur les questions et résumés des communications. Paris, Association des chimistes de sucrerie et de distillerie, 1934.
- EVEREST, A. E. Fifty years of chemistry, 1885-1935. London, Institute of chemistry of Great Britain and Ireland, 1935.
- FARKAS, A. Orthohydrogen, parahydrogen and heavy hydrogen. Cambridge, Eng., University press, 1935.
- HARROW? B., and SHERWIN, C. P. A textbook of biochemistry. Philadelphia, Saunders, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Chemistry (Continued)

- MORROW, C. A. Biochemical laboratory methods for students of the biological sciences. Ed. 2. New York, Wiley, 1935.
- PILCHER, R. B. The profession of chemistry. Ed. 3. London, Institute of chemistry of Great Britain and Ireland, 1935.
- TRIEBOLD, H. O. Laboratory exercises in agricultural bio-chemistry I. Ann Arbor, Edwards, 1934. Photo-lithoprint reproduction of author's manuscript.
- VILBRANDT, F. C. Chemical engineering plant design. New York, McGraw-Hill, 1934.
- WEISER, H. B. Inorganic colloid chemistry. v. 2. New York, Wiley, 1935.

Conservation

- LAKE STATES CONSERVATION CONFERENCE, Madison, Wis., 1935. Report. [Madison?] 1935. Mimeographed.

Dairying

- BRISTOL. UNIVERSITY. PREVENTIVE MEDICINE. ^{DEPT.} On the examination of pasteurized milks (low temperatures), Bristol, Gordon, 1935.
- HUNZIKER, O. F. Condensed milk and milk powder. Ed. 5. La Grange, Ill., Author, 1935.
- RAGSDALE, A. C., and HERMAN, H. A. Dairying laboratory manual and outline. Columbia, Mo., Lucas, 1934. Mimeographed.

Directories

- BARNES, W. C. Arizona place names. Tucson, 1935. (Arizona. University. General bulletin. no. 2)
- NATIONAL RESEARCH COUNCIL. National research fellowships in the biological sciences. Washington, 1934.

Domestic animals

- HIRSCH, S. Sheep and goats in Palestine. Tel-Aviv, Palestine economic society, 1933.
- HUMPHREY, E., and WARNER, L. Working dogs. Baltimore, Johns Hopkins, 1934.
- KIRCHER, W. H. Chickens. Saint Paul, Minn., Webb, 1935.
- NORTHERN IRELAND. PIGS MARKETING BOARD. Handy guide for pig producers, 1935. Belfast, 1935. (P.M.B. F. 66)
- SHELTON, E. J. Castration of pigs. Brisbane, Dept. of agriculture and stock, Queensland [1934?]
- YEARBOOK OF THE HORSE, 1934. Ed. by R. F. Kelly. New York, Dodd, Mead, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Economics

- AMERICAN MANUFACTURERS' EXPORT ASSOCIATION. Foreign trade and domestic markets. New York.
- ARGENTINE REPUBLIC. DEPARTAMENTO NACIONAL DEL TRABAJO. DIVISIÓN DE ESTADÍSTICA. Costo de la vida. Buenos Aires, 1935. (Serie C. no. 1. Investigaciones especiales)
- CLINE, D. C. Executive control over state expenditures in New Jersey. Princeton, Princeton university press, 1934.
- COLEMAN, L. R., and TRICE, F. D. An economic and social survey of Spotsylvania county. Charlottesville, 1934. (University of Virginia record. Extension series. v. 19, no. 4)
- DAVIS, J. S. Wheat and the A A A. Washington, 1935. (Institute of economics of the Brookings institution. Publication no. 61)
- ELLIOTT, W. Y. The need for constitutional reform. New York, McGraw-Hill, 1935.
- GREEN, H. W. Movements of families within the Cleveland metropolitan district, 1933. Cleveland, O., 1934. (Report no. 3 of the Real property inventory of metropolitan Cleveland)
- GREEN, H. W. Real property inventory of the Cleveland metropolitan district. Cleveland, O., 1934. (Report no. 2 of the Real property inventory of metropolitan Cleveland)
- HOOVER, H. C. The state papers and other public writings of Herbert Hoover, ed. by W. S. Myers. Garden City, N. Y., Doubleday, Doran, 1934.
- HOROBIN, I. M. The pleasures of planning. London, Macmillan, 1935.
- KWANGTUNG, CHINA. DEPT. OF RECONSTRUCTION. Report on the work and plans of the demonstration areas in Shun-Tak district. [n. p.] Wing Hing printing press [1935?]
- LONDON, B. Rebuilding a prosperous nation through planned obsolescence. New York, 1935.
- LORIMER F., and OSBORN, F. Dynamics of population; social and biological significance of changing birth rates in the United States. New York, Macmillan, 1934.
- LUTZ, H. L. The system of taxation in Maine. Augusta, Me. 1934.
- MILLS, O. L. What of tomorrow? New York, Macmillan, 1935.
- MONTETH, R. J., and BURACK, A. S. Methods and procedure in federal purchasing. Boston, Humphries, 1933.
- MYSTROM, P. H. Trends dangerous to consumers under the NRA. New York, Institute of distribution, 1935.
- PIQUET, H. S. Outline of the new deal legislation of 1933-34. Ed. 2. New York, McGraw-Hill, 1934.
- ROWE, H. B. Tobacco under the AAA. Washington, 1935. (Institute of economics of the Brookings institution. Publication 62)
- SINCLAIR, U. P. We, people of America, and how we ended poverty; a true story of the future. Pasadena, Calif., National EPIC league, 1935.
- SOUTHERN SOCIAL SCIENCE RESEARCH CONFERENCE, New Orleans, 1935. Report. [n.p.] 1935. Mimeographed.
- YODER, D., and DAVIES, G. R. Depression and recovery. New York, McGraw-Hill, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Education

- ALLMAN, H. D. A unique institution; the story of the National farm school. Philadelphia, Jewish publication society of America, 1935.
- BENTLEY, J. H. The adjustment service; a report of an experiment in adult guidance. New York, American association for adult education, 1935.
- KINI, K. N. Proposals for a program of Vocational education for Mysore (India) Bangalore City, Bangalore press, 1933.
- WALSH, J. J. Education of the founding fathers of the republic. New York, Fordham university press, 1935.

Electricity, Physics

- KNIEL, H. Elektrizität? - Ja! Aber fehlerlose anlagen! Die gefahren fehlerhefter elektrischer einrichtungen im bauernbetrieb und ihre beseitigung. Bonn, Landesbauernschaft [1935?]
- MILLER, R. D. Practical physics for agriculturists. Minneapolis, Burgess, 1935. Mimeographed.

Engineering

- ARMCO CULVERT MANUFACTURERS ASSOCIATION. Beautiful low-cost bridges. Middletown, O., 1934.
- BETHLEHEM STEEL COMPANY. Structural shapes. Bethlehem, Pa., 1934.
- CALCAVECCHIA, J. El alcohol carburante. Habana, Secretaria de agricultura, 1934.
- ENCYCLOPAEDIA OF OXY-ACTYLENE WELDING. v. 3. Geneva, Switzerland, International advisory committee for carbide and welding technique [193-]
- SEELY, F. B. Resistance of materials. Ed. 2. New York, Wiley, 1935.
- TRATMAN, E. E. R. Specifications and standards for public works engineering. New York, McGraw-Hill, 1933.

English language

- SCHMITZ, R. M. Preparing the research paper. Rev. ed. New York, Farrar & Rinehart, 1935.
- TAINTOR, S. A., and MUNRO, K. M. The secretary's handbook. Ed. 4. New York, Macmillan, 1935.

Entomology, Arachnida

- AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. EASTERN BRANCH. Entoma; a directory of insect pest control, listing insecticide manufacturers, insecticides [etc.] New Brunswick, N. J., 1935.
- GONZÁLEZ-REGUERAL Y BAILLON, F. Las cochinillas de los agrios y su tratamiento. Valencia, Servicio agronomico nacional, Estación de fitopatologia agrícola de Levante, Burjasot, 1932.
- MILNE, L. J. Studies in North American Trichoptera. pt. 1. Cambridge, Mass., 1934.

PRINCIPAL LIBRARY ACCESSIONS

Entomology, Acachnida

(Continued)

- MIWA, Y. The fauna of Elateridae in the Japanese empire. Taihoku, Formosa, 1934. (Formosa, Japan. Government research institute. Dept. of agriculture. Report no. 65).
- NORDSTRÖM, F., and WAHLGREN, E. Svenska fjärilar; systematisk bearbetning av sveriges storfjärilar, Macrolepidopters. Häfte 1. Stockholm, Aktiebolaget familjeboken [1935?]
- SAVORY, T. H. The Arachnida. London, Arnold, 1935.
- SNODGRASS, R. E. Principles of insect morphology. New York, McGraw-Hill, 1935.
- SOCIEDAD ENTOMOLOGICA ARGENTINA. Lucha nacional contra la langosta. Buenos Aires, Ministerio de agricultura de la nación, Comisión nacional de defensa contra la langosta, 1934.
- SPAIN. ESTACIÓN DE PATOLOGÍA VEGETAL DE LEVANTE, Burjasot, Valencia. Instrucciones que deben observarse en los trabajos de fumigación con el ácido cianhídrico. Ed. 5. Valencia, Vives Mora, 1934.

Evolution

- GAUSE, G. F. The struggle for existence. Baltimore, Williams & Wilkins, 1934.

Field crops

- CASABURI, V., and others. Sostanze concianti delle pelli per la battaglia del grano aumento del valore nutritivo dei cereali. Napoli, Stabilimento industrie editoriali meridionali, 1934.
- CASHMORE, W. H. A rapid method for measuring the moisture content of wheat. Oxford, Institute for research in agricultural engineering, University of Oxford, 1933.

Finance

- BUCK, A. E. The budget in governments of today. New York, Macmillan, 1934.
- CRAIG, W. W., and GORE, C. The forgotten fifty billions. New York, Scribner, 1935.
- GAYER, A. D. Monetary policy and economic stabilisation, a study of the gold standard. New York, Macmillan, 1935.
- IOWA. COMMITTEE ON REDUCTION OF EXPENDITURES. Final report of the interim Committee on reduction of governmental expenditures. [Des Moines? 1934?]
- JOLLIFFE, M. F. The United States as a financial centre, 1919-1933. Cardiff, University of Wales press board, 1935.
- LAYTON, Sir W. T., and CROWTHER, G. An introduction to the study of prices. London, Macmillan, 1935.
- MARTIN, R. C. A budget manual for Texas cities. Austin, Tex., 1934. (Texas. University. Bureau of municipal research. Municipal studies no. 1.)
- TRULL, E. Resources and debts of the forty-eight states. New York city, Dun & Bradstreet, Municipal service dept., 1935. Multigraphed.
- WESTERN AUSTRALIA. AGRICULTURAL BANK ROYAL COMMISSION. Report. Perth, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Fire fighting

- BRINCKLOE, W. D. The volunteer fire company. Boston, National fire protection association, 1934.
WILLIAMS, E. W. Fire fighting. Lynn, Mass., Nichols-Ellis, 1935.

Food, Nutrition

- FOX CHAPEL GARDEN CLUB. Things we grow in our kitchens. Sharpsburg, Pa., Herald printing co., 1934.
ROBERTS, L. J. Nutrition work with children. Rev. ed. Chicago, University of Chicago Press, 1935.
ROSE, M. D. S., and BORGESON, G. M. Child nutrition on a low-priced diet with special reference to the supplementary value of an egg a day, the effect of adding orange juice and of replacing egg by liver. New York city, Bureau of publications, Teachers college, Columbia university, 1935. (Child development monographs. Monograph no. 17)
SOMMER, H. H. The theory and practice of ice cream making. Ed. 2. Madison, Wis., Author, 1935.
WISCONSIN. LAWS, STATUTES, etc. Wisconsin dairy, food and drug laws. Madison, Democrat printing company, 1934.

Food plants

- EAST AFRICAN AGRICULTURAL RESEARCH STATION, Amani, Tanganyika Territory. Studies on the ecology of coffee plantations in East Africa. pt. 1. [Amani?] 1935.
TRINIDAD. DEPT. OF AGRICULTURE. Preparation of cacao for market, by J. de Verteuil. Port-of-Spain, 1933.
UKERS, W. H. All about tea. New York, Tea and coffee trade journal co., 1935.

Forestry, Wood

- DIESEL, E. Wald und mensch im technischen zeitalter. Berlin, VDI-verlag, 1935. (Deutsches museum. Abhandlungen und berichte, 7. jahrg., heft 2)
HAWLEY, R. C. The practice of silviculture, with particular reference to its application in the United States of America. Ed. 3. New York, Wiley, 1935.
JEDLIŃSKI, W., and GROCHOWSKI, J. Grundsätze der methodik forstlicher forschungs- und versuchsarbeiten in Polen. Warszawa, Kommission für das forstliche versuchswesen der Hochschule für bodenkultur, 1932.
KAPUR, S. N. A manual of the air seasoning of Indian timbers. Delhi, Manager of publications, 1934.
MADRE, B. La question forestière. Paris, Domat-Montchrestien, 1934.
MASON, E. G. Forest mensuration. Ed. 2. Corvallis, Ore., Co-op book store, 1934. Mimeographed.
MATTHIES, K., comp. Trees of note in Connecticut. New Haven, Yale university press, 1934.
TRINIDAD. FOREST DEPT. Report on an investigation into the uses and marketing of forest products in Trinidad and Tobago. Port-of-Spain, 1934. (Trinidad and Tobago. Council paper no. 100 of 1934)

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Home economics

- HUTT, A. H. Home furnishing. New York, Wiley, 1935.
SPAFFORD, I. O. Fundamentals in teaching home economics. New York, Wiley, 1935.

Horticulture

- BAILEY, L. H., and BAILEY, E. Z. Hortus. New rev. ed. New York, Macmillan, 1935.
BOTTOMLEY, M. E. The art of home landscape. New York, De La Mare, 1935.
CAUTLEY, M. S. Garden design, the principles of abstract design as applied to landscape composition. New York, Dodd, Mead, 1935.
KEAYS, E. E. Old roses. New York, Macmillan, 1935.
KNOTT, J. E. Vegetable growing. Ed. 2. Philadelphia, Lea and Febiger, 1935.
KRUHM, A. How to grow vegetables and berries. New York, Doubleday, Doran, 1935. (Doubleday garden handbook, no. 10)
LÖSCHNIG, J. 40 tage Nordamerika; wahrnehmungen und eindrücke einer studierreise nach U.S.A. Ed. 2. Wien, Hauptverband der Weinbautreibenden Österreichs und gemeinschaft österreichischer obstzüchter, 1935.
ORTLOFF, H. S., and RAYNORE, H. B. Color and succession of bloom in the flower border. Garden City, N. Y., Doubleday, Doran, 1935.
SCHLING, M. Everyman's garden. New York, Macmillan, 1935.
SPRY, Mrs. C. Flower decoration. New York, Putnam, 1935.

Labor, Unemployment

- ALGERIA. DIRECTION DES SERVICES ÉCONOMIQUES. Réglementation du travail et prévoyance sociale en Algérie. Alger, Baconnier, 1934.
FRIEDRICH, C. J., and others. Problems of the American public service; five monographs on specific aspects of personnel administration. New York, McGraw-Hill, 1935. (Commission of inquiry on public service personnel. Monographs 7 to 11)
ICKES, H. L. Back to work; the story of PWA. New York, Macmillan, 1935.
VIRGINIA. ADVISORY COMMISSION ON UNEMPLOYMENT INSURANCE. Stabilization of employment in Virginia and building up of unemployment reserves. Richmond, 1934.
WALKER, H. Training public employees in Great Britain. New York, McGraw-Hill, 1935. (Commission of inquiry on public service personnel. Monograph 6)
WHITE, L. D., and others. Civil service abroad - Great Britain, Canada, France, Germany. New York, McGraw-Hill, 1935. (Commission of inquiry on public service personnel. Monographs 2 to 5)

Marketing

- FARM AND RANCH. 1935 Southwest farm market facts. Circulation analysis for 1935. Ed. 2. [Dallas?] 1935.
KANSAS. STATE GRAIN INSPECTION DEPT. Laws and rules of the Kansas State grain inspection and weighing department. Topeka, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Marketing (Continued)

- MONTEVIDEO. UNIVERSIDAD. FACULTAD DE AGRONOMIA. ESTACIÓN EXPERIMENTAL DEL FRÍO. ENSEÑANZA EXTENSIVA. Standardización, cosecha y envasado de frutas cítricas. Montevideo, 1935.
- PRICE, M. P. Marketing boards & import control. London, Gollancz and New Fabian research bureau [1934?] (NFRB no. 18)

Medicine, Pharmacy

- AMERICAN DRUG MANUFACTURERS' ASSOCIATION. Pharmaceutical standards. Rev. ed. Washington, 1935.
- GOULD, G. M. Gould's medical dictionary. Ed. 4. Philadelphia, Blakiston, 1935.
- NATIONAL CONFERENCE ON NOMENCLATURE OF DISEASE. Standard classified nomenclature of disease. Ed. 2. New York, Commonwealth fund, 1935.
- OSLER, Sir W. The principles and practice of medicine. Ed. 12. New York, Appleton-Century, 1935.

Planning, City and State

- ARKANSAS STATE PLANNING CONFERENCE, 1934. Proceedings. Little Rock, 1934.
- ASSOCIATION INTERNATIONALE DES CITÉS LINÉAIRES. Rapport. 1933/34. Paris, 1934. Mimeographed.
- IOWA. STATE PLANNING BOARD. Report, 1st-2d. [Des Moines?] 1934-35.
- FLORIDA. STATE PLANNING BOARD. Report on land use problems and conditions. Gainesville, 1935. Mimeographed.
- KEER, C. A supplement to A nation plan. Washington, Milans' sons, 1934.
- MARYLAND. STATE PLANNING COMMISSION. Ten-year highway construction program for Maryland. March 1935. [Annapolis?] 1935. Mimeographed.
- MICHIGAN. STATE PLANNING COMMISSION. Michigan public works - inventory and program. March 1, 1935. Ann Arbor, Edwards, 1935. Lithoprinted.

Roads, Transportation

- AITCHISON, C. B. British regulation of transport, 1914-1934. Address before the Associated traffic clubs of America. [n.p.] 1934.
- FLORIDA. STATE ROAD DEPT. Report of a survey of traffic in the state of Florida, 1934. [n.p., 1935?]
- KANSAS. STATE HIGHWAY COMMISSION. INVESTIGATING AND AUDITING COMMITTEE. A report on audit of the state highway department of Kansas for two years, April 1931 to March 1933. Topeka, 1935.
- KRÜGER, KARL. Motorising Russia and Asia (incorporating German autobahns) Berlin, Der neue orient, 1934.
- NATIONAL CONFERENCE ON STREET AND HIGHWAY SAFETY. 4th, Washington, 1934. Model traffic ordinances. [Washington] 1934.

PRINCIPAL LIBRARY ACCESSIONS

Roads, Transportation (Continued)

- NATIONAL SAFETY COUNCIL. EDUCATION DIVISION. Good driving. New York, 1934.
OVERSEA MECHANICAL TRANSPORT DIRECTING COMMITTEE. Report on test in Australia of second 15-ton motor transport unit. London, 1935.
PENNSYLVANIA. DEPT. OF HIGHWAYS. Hearing of the Joint legislative committee. 1st-8th; Feb. 1, 1933, to Apr. 17, 1933. Harrisburg, 1933. Mimeographed.
STEWART, F. M. Highway administration in Texas. Austin, 1934. (Texas. University, Bureau of research in the social sciences. Study no. 8)

Zoology

- DICKEY, F. V. V. Familiar birds of the Pacific Southwest. Stanford university, Calif., Stanford university press, 1935.
FLOERICKE, K. E. Der deutsche wald und seine vögel. Stuttgart, Franckh'sche verlagshandlung, 1935. (Kosmos-bändchen, no. 139)
GARRETSON, M. S. A short history of the American bison. Rev. Ed. New York, American bison society, 1934.
RUSSELL, E. S. The behaviour of animals. London, Arnold, 1934.
SAUNDERS, A. A. A guide to bird songs. New York, Appleton-Century, 1935.

Theses

- AALFS, H. G. De rundveeteelt op het eiland Bali. Utrecht [n. d.] Proefschrift, Utrecht.
AKEN, J. S. A. J. M. van. Kalk-suiker. Delft, 1930. Proefschrift. Tech. hoogeschool, Delft.
ATKINSON, S. K. A model cost control plan for delivery organizations of department stores doing an annual business of from two to ten million dollars. Philadelphia, 1934. Thesis (Ph.D.) Columbia university.
BAKER, P. E. Negro-white adjustment. New York city, 1934. Thesis (Ph.D.) Columbia university.
BARKSDALE, J. Thermodynamic properties of dilute thallous chloride solutions. New York city, 1933. Thesis (Ph.D.) Columbia university.
BRENTANO, M. K. Untersuchungen über die abwasserhältnisse von Zürich (entwässerungsnetz, absitzanlage, vorflut) Solothurn, 1934. Promotionsarbeit. Tech. hochschule, Zürich.
BEYN, W. M. de. Beiträge zur kenntnis von *Angusticoecum holopterum* (Rud.) einem nematoden aus *Testudo graeca* L. Amsterdam, 1934. Proefschrift. Amsterdam.
CLARKE, H. The professional training of the hospital dietitian. New York City, 1934. Thesis (Ph.D.) Columbia university.
COLTOF, W. Bijdrage tot de kennis van vervaardiging, eigenschappen en verwerking der acetaatzijde. Amsterdam, 1934. Proefschrift. Tech. hoogeschool, Delft.
COLUMBUS, A. Der quantitative verlauf der entleerung des pansens bei schafen und ziegen, mit berücksichtigung der sesamentleerung des magen-darmkanals. Wiesbaden [1934?] Diss. Landw. hochschule, Berlin.

PRINCIPAL LIBRARY ACCESSIONS

Theses (Continued)

- DAASCH, T. Die herzknerpel des schweines. Berlin, 1925. Inaug.-diss. Tier-
ärztl.hochschule, Berlin.
- DE CORSE, C. Charlottesville - a study of negro life and personality.
Charlottesville, Va., 1933. (Publications of the University of Virginia. Phelps-
Stokes fellowship papers. no. 11) Thesis (Ph.D) University of Virginia.
- DEMUTH, K. Die struktur des bodens und der accessorischen geschlechtsdrüsen bei
Hippopotamus amphibius. Berlin, 1921. Inaug.-diss. Tierärztl.hochschule,
Berlin.
- DENNERT, R. Untersuchungen über die verbreitung von krankheitskeimen bei den
bienenvölkern (*Apis mellifica* L.) Greifenberg (Pom.), 1930. Inaug.-diss. Tier-
ärztl.hochschule, Berlin.
- DENNIG, G. Wirtschaftliche und züchterische untersuchungen an einer steierischen
braunviehwirtschaft mit besonderer berücksichtigung der bewertung der milch-
leistung. [München? 1932?] Abhandlung. Tech.hochschule, München.
- DOEBBELING, S. E. A study of the concentration and properties of two amylases
from barley malt. New York city. 1934. Thesis (Ph.D) Columbia university, 1934?
- DOLS, M. J. L. Vergelijkend onderzoek op raten en huikens over de identiteit van
het kunstmatige antirachitische vitamine (bestaald ergosterol) en het natuur-
lijke vitamine D uit kabeljauw-levertraan. Nijmegen, 1935. Proefschrift.
Wageningen.
- DRAEGER, H. K. E. Die verwaltungsrechtliche stellung der städtischen schlachthöfe.
Berlin, 1931. Inaug.-diss. Tierärztl.hochschule, Berlin.
- DRENCKHAN, C. H. G. Vererbung von milch-und fettleistung in den wichtigsten
blutlinien des angler rindes. [Flensburg? 1932?] Inaug.-diss. Leipzig.
- DREWKE, B. Beitrag zur klinischen untersuchung an rinderaugen. Berlin, 1929.
Inaug.-diss. Tierärztl.hochschule, Berlin.
- EDNER, J. A. Über den engischen und französischen rhabarber und eine methode
der wertbestimmung des rhabarber. [Bern? 1907?] Inaug.-diss. Bern.
- EDGARS, N. K. The pharmacology of neomyrtillin from blueberry leaf with a
description of *Vaccinium caesarens*. Jersey City, N. J., 1934. Theses. New
York College of pharmacy, 1929.
- EGLI, R. Über die siarasinolsäure. Zürich, 1933. Promotionsarbeit. Tech.
hochschule, Zürich.
- EHRATH, R. Landmaschinen in bäuerlichen betrieben der provinz Brandenburg.
Schwerin i. M., 1932. Inaug.-diss. Landwirtschaftliche hochschule, Berlin.
- EHRHARDT, H. W. Beitrag zur therapie der uterus-erkrankungen des rindes. Giessen,
1932. Diss. Giessen.
- EIBEL, K. Über den einfluss der arbeitsleistung auf die milchsekretion bei arbeits-
kühen. München, 1934. Abhandlung. Tech.hochschule, München.
- EISENREICH, L. Beiträge zum pasteurisierungsproblem der milch. [München? 1933?]
Abhandlung. Technische hochschule, München.
- ELZE, G. Zur pathologie der weiblichen genitalorgane von schaf und ziege mit
besonderer berücksichtigung der histologie des eileiters. Leipzig, 1930.
Inaug.-diss. Leipzig.
- EMRICH, E. Historische kritische studie über die entstehung "schleimiger milch"
München [1932?] Abhandlung. Tech.hochschule, München.

PRINCIPAL LIBRARY ACCESSIONS

Theses (Continued)

- FELDFORTH, W. Lebensfähigkeit der rinderfinne bei aufbewahrung von stücken finnigen fleisches bei temperaturen von +0 bis -2°C. Quakenbrück, 1934. Inaug.-diss. Tierärztl. hochschule, Hannover.
- FINCKE, M. L. The availability of calcium from some typical foods. New York, 1935. Thesis (Ph.D) Columbia university.
- FONDA, G. Ueber die sensibilisierte photolyse von kaliumnitrat. Zürich, 1933. Promotionsarbeit. Tech.hochschule, Zürich.
- FOELSCH, E. Das problem des anbau-oder vermehrungsvertrages der pflanzenzüchter in geltendem deutschen und fremden recht insbesondere seine bezie-hungen zum substantialprincip und zur frage der gemischten sozietätsverträge. Dresden, 1934. Inaug.-diss. Leipzig.
- FOX, R. L. The evolution of hydrogen from solutions of trivalent columbium in sulfuric acid. New York city, 1934. Thesis (Ph.D) Columbia university.
- FRANK, B. Über die konstitution der dextropimarsäure. Budapest, 1933. Promotionsarbeit. Tech.hochschule, Zürich.
- FRANKEN, H. A. Voorkomen, bereiding en eigenschappen van de, in de natuur aangetroffen, uronzuren en van enkele verwante zuren. Delft [1934?] Proefschrift. Tech.hoogeschool, Delft.
- FUCHS, F. Mikroskopische untersuchungen über die epidermalgebilde an kopf und gliedmassen des hundes. Quakenbrück, 1934. Inaug.-diss. Tierärztl.hochschule, Berlin.
- GINZBERG, E. The house of Adam Smith. New York, 1934. Thesis (Ph.D) Columbia university.
- GOLDSTEIN, H. A biochemical study of the metabolism of mental work. New York, 1934. (Archives of psychology, no. 164) Thesis (Ph.D) Columbia university.
- GRANDJEAN, S. Untersuchungen über pflanzenertrag und tierischen nutzertrag einer durch milchvieh genutzten talweide. Bern-Sümpliz, 1933. Promotionsarbeit. Tech.hochschule, Zürich.
- GRIER, E. Accounting in the Zenon papyri. New York, 1934. Thesis (Ph.D) Columbia university.
- HAIMANN, E. Beiträge zur kenntnis der festigkeitseigenschaften der nitro-cellulosefilme. Budapest, 1933. Promotionsarbeit. Tech.hochschule, Zürich.
- HARLAN, H. H. Zion Town - a study in human ecology. Charlottesville, Va., 1935. (Publications of the University of Virginia. Phelps-Stokes fellowship papers. no. 13) Thesis (Ph.D) University of Virginia.
- HEARD, J. R. The electrolytic oxidation of organic compounds in concentrated aqueous salt solutions. New York city, 1934. Thesis (Ph.D) Columbia university.
- HERRMANN, L. W. Untersuchungen über vorbruch-und molkenbutter (im vergleich zu anderen buttersorten) Danzig [1930?] Diss. Technische hochschule, Danzig. Mimeographed.
- HOFFA, H. Vergleichende untersuchungen über die leistungen von hennen leichter rassch im ersten und zweiten legejahr. [München? 1932?] Inaug.-diss. München.
- HOFFMANN, W. Die beschaffenheit der vorzugsmilch einer mitteldeutschen grossstadt vom standpunkt der milchhygiene. Lucka (bez.Leipzig), 1930. Inaug.-diss. Leipzig.
- HOFFMANN, N. Ueber haematome und ihre organisation. Giessen, 1931. Inaug.-diss. Giessen.

PRINCIPAL LIBRARY ACCESSIONS

Theses (Continued)

- HUITEMA, W. K. De bevolkingskoffiecultuur op Sumatra. Wageningen, 1935. Proefschrift. Wageningen.
- JAFFE, J. Labor cost records; their forms and preparation. Lancaster, Pa., 1934. Thesis (Ph.D.) Columbia university.
- KAMENOFF, R. J. The development of the flexed tail in the mouse. New York city, 1934. Thesis (Ph.D.) Columbia university, 1934.
- KESSELHEIM, W. Wege zur verbesserung und verbilligung des betons beim talsperrenbau. Würzburg, 1934. Abhandlung. Tech.hochschule Fridericiana, Karlsruhe.
- KOCH, F. E. H. Untersuchung der vorgänge in zerkleinerungsmaschinen für ölisaaten. Mannheim [1933?] Abhandlung. Technische hochschule, München.
- KOWALSKI, W. P. Untersuchungen über den qualitätszustand der nach Danzig und Zoppot gelieferten frischmilch. Danzig [1933?] Diss. Technische hochschule, Danzig. Mimeographed.
- KRAEMER, O. Untersuchungen über den aufbau und die verleimung von sperrholz im hinblick auf die verbesserung seiner eigenschaften als flugzeugbaustoff. München [1934?] Diss. Tech.hochschule Fridericiana, Karlsruhe.
- LA FOLLETTE, Mrs. C. T. A study of the problems of 652 gainfully employed married women homemakers. New York city, 1934. Thesis (Ph.D.) Columbia university.
- LEAP, W. L. Red Hill - neighborhood life and race relations in a rural section. Charlottesville, Va., 1933. (Publications of the University of Virginia. Phelps-Stokes fellowship papers. no. 10) Thesis (Ph.D.) University of Virginia, 1930.
- LEWINSOHN, M. H. Halide-iodine equilibria in neutral salt solvents. New York city, 1933. Thesis (Ph.D.) Columbia university.
- LIGHTFOOT, R. M. Negro crime in a small urban community. Charlottesville, Va., 1934. (Publications of the University of Virginia. Phelps-Stokes fellowship papers. no.12) Thesis (Ph.D.) University of Virginia.
- MAREL, H. W. van der. Bijdrage tot de kennis van de kationen-en anionen-adsorptie van tropische en nederlandse gronden. Wageningen, 1935. Proefschrift. Wageningen.
- NEUHAUS, E. J. A. Der feldfutterbau im westfälischen regierungsbezirk Minden. Halle in Westf., 1934. Diss. Hessischen Ludwigs-universität, Giessen.
- NEWMARK, N. M. Interaction between rib and superstructure in concrete arch bridges. Urbana, 1934. Thesis (Ph.D.) University of Illinois.
- RITTENBERG, D. Some equilibria involving the isotopes of hydrogen. New York city, 1934. Thesis (Ph.D.) Columbia university.
- ROBORGH, R. H. J. A study on the nature of clay. Wageningen, 1935. Proefschrift. Wageningen.
- ROBB, E. The energy requirement of normal three and four-year-old children under standard basal metabolism conditions and during periods of quiet play. New York city, 1934. Thesis (Ph.D.) Columbia university.
- ROBLIN, R. O. The cyclization of phenyl-substituted alcohols and olefins. New York City, 1934. Thesis (Ph.D.) Columbia university.

PRINCIPAL LIBRARY ACCESSIONS

Theses (Continued)

- SAUL, E. L. The influence of proteins on invertase activity. [New York?] 1934. Thesis (Ph.D.) Columbia university, 1934.
- SCHROCK, O. F. K. Untersuchungen über den einfluss von warmbädern auf quellende pflanzen. Greifswald, 1934. Inaug.-diss. Ernst-Moritz-Arndt-Universität, Greifswald.
- SCHWARZMANN, H. Die abflussserscheinungen und druckverhältnisse an klappenwehren. München [1933?] Diss. Tech. hochschule "Fridericiana," Karlsruhe.
- THOMPSON, W. S. A study of factors influencing the quantitative determination of sulfate as barium sulfate. New York city, 1934. Thesis (Ph.D.) Columbia university.
- TÜRK, W. Wesen und wirken der Donauversinkung. Karlsruhe i. B., Müller, 1932. Diss. Tech.hochschule "Fridericiana", Karlsruhe.
- VEENBAAS, A. Diagnostiek en bestrijding van de abortus Bang in Friesland. Wolvega, 1935. Proefschrift. Rijks-universiteit, Utrecht.
- VERMEER-LOUMAN, G. G. Pollen-analytisch onderzoek van den West-Nederlandschen bodem. Amsterdam, 1934. Proefschrift. Amsterdam.
- WEBER, O. Die landwirtschaftliche abwasserwertung in der Rieselfeldgenossenschaft Dolitzsch-Schenkenberg. Breslau [1933?] Inaug.-diss. Leipzig.
- WHITNEY, C. Experiments in credit control: the federal reserve system. New York, 1934. Thesis (Ph.D.) Columbia university.
- YAGANEKI, E. B. Recent financial and monetary history of Persia. [New York?] 1934. Thesis (Ph.D.) Columbia university.
- YOUNG, P. T. Histogenesis and morphogenesis in the primary root of Zea mays. New York, 1933. Thesis (Ph.D.) Columbia university, 1934.

-O-O-O-O-O-O-O-O-O-O-

NOTES ON PERIODICALS

- Garden, a magazine of plants and flowers. 319 Magazine Street, New Orleans, Louisiana, quar. 11. f^o vol. 1, no. 1, Mar. 1935. \$1.00 a year.
- Indian co-operative review. The Manager, The Indian co-operative review, Farhatbagh, Mylapore, Madras. quar. 8^o vol. 1, no. 1, Jan. 1935. Subscription: foreign sh. 10.
- International institute of agriculture. State aid to agriculture. International institute of agriculture, Villa Umberto 1, Rome (110), Italy. quar. 8^o year 1, no. 1. Jan/Mar. 1935. Annual subscription, 25 lire.
- The Planners' journal. American city planning institute, Robinson Hall Annex, Cambridge, Mass. bi-mo. 4^o vol. 1, no. 1, May/June 1935. \$3.00 a year.

-O-O-O-O-O-O-O-O-O-O-

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

- EZEKIEL, M. The Agricultural adjustment administration - its past, present and future. Natl. Assoc. Marketing Officials. Proc. (1934)16: 15-21. Rec'd.1935...
- TUGWELL, R. G. Resettling America; a fourfold plan. Administrator Tugwell explains the government program aiming at economic security for stranded groups. New York Times. 84(28309, Sect.7): 5,12. July 28, 1935.
- WALLACE, H. A. Our common interest in restoring foreign trade. Com. Fert. Year Book. 1935: 18-20, 26. 1935.
- Searching for a permanent program. Cotton Trade Jour.15(21): 12,100. 1935.
- Six decades of corn improvement and the future outlook. Iowa State Col. Jour. Sci. 9:561-566. Apr. 1935.
- WILSON, M. L. Agricultural adjustment: a step in the evolution of agricultural policy. Harvard Bus. Rev. 13(4): 405-416. Summer 1935.
- Land use in relation to general farm policy. Minn. Conserv. 25: 5,19-22. June 1935.
- Some agricultural problems ahead. Agr.Soc. Farm. Bur. Fed. Rpt. 19(1934): 78-86. 1935.

Agricultural Adjustment Administration

- BEAN, L. H. Need for industrial production program as a basis for sound price policies. Plan Age 1(7): 18-22. July/Aug. 1935.
- HOOVER, C. B. Human problems in the South. Cotton Trade Jour. 15(21): 14, 145. 1935.
- HUTSON, J. B. The price outlook for 1935 tobacco. Prog. Farmer, Ga.-Ala.-Fla. Ed. 50(8): 3. Aug. 1935.
- MYERS, L. Foreign cotton production. Com. Fert. Year Book 1935: 44-48. 1935.
- STEDMAN, A. D. Two years of the AAA. Com. Fert. Year Book 1935: 27-28. 1935.

Bureau of Agricultural Economics

- BAKER, O. E., and TAYLOR, E. H. Years of grace. Country Gent. 105(8): 5-7, 67. Aug. 1935.
- EDWARDS, E. E. Melville Amasa Scovell (Feb. 26, 1855-Aug. 15, 1912), agricultural chemist and educator. Dictionary Amer. Biography 15: 512-513. 1935.
- HOSKING, F. J. Corn syrup and cane sugar: Price trends. Internatl. Confectioner 44(3): 18-19, 36-37. Mar. 1935.

Bureau of Animal Industry

- BURROWS, W. H., and QUINN, J. P. A method of obtaining spermatozoa from the domestic fowl. Poultry Sci. 14: 251, 253-254. July 1935.
- BYERLY, T. C., and JULL, M. A. Sex ratio and embryonic mortality in the domestic fowl. Poultry Sci. 14: 217-220. July 1935.

*These lists are prepared in the bureaus under which they are given with the exception of the Office of the Secretary and Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(Continued)

- CHITWOOD, B. G. (With M. B. CHITWOOD) The histology of nemie esophagi. IV. The esophagus of *Metastrongylus elongatus*. Jour. Wash. Acad. Sci. 25: 230-237. May 15, 1935.
- DIKMANS, G. Treatment for tapeworm, *Moniezia*, infestation of sheep [Partial abstract of K. I. Skrjabin and R. E. S. Shul'ts, 1934] North. Amer. Vet. 16: 29-32. July, 1935.
- HENDRICKS, W. A. Effects of mineral supplements on the length of the tail and wing features in White Leghorns. Poultry Sci. 14: 221-227. July 1935.
- JONES, M. F., and ALICATA, J. E. Development and morphology of the cestode, *Hymenolepis cantaniana*, in coleopteran and avian hosts. Jour. Wash. Acad. Sci. 25: 237-247. May 15, 1935.
- LOWE, C. D. Livestock numbers are cut. Agr. Leaders Digest 16(5): 18, 20. July 1935.
- MOHLER, J. R. The relationship of the practicing veterinarian to the live stock producer. Corn States Needle 6(2): 3-4. 1935.
- QUINN, J. P. Further experiments with the p gene in the fowl. Jour. Genetics 30: 477-480. May 1935.
- REES, C. W. (With E. V. Cowdry, Wash. Univ., St. Louis, Mo., senior author) An attempt to ascertain the behavior of *Anaplasma marginale* in ticks transmitting anaplasmosis. Amer. Jour. Hyg. 21: 94-100. Jan. 1935.
- SHRADER, H. L. The sexing outlook. Hatchery Tribune 9(7): 26, 27, 44, 46. July 1935.
- Turkey observations. Turkey World 10(7): 12, 13, 30. July 1935.
- TITUS, H. W. Eggs laid to order. Poultry Item 37 (9): 5, 11. July 1935.
- WRIGHT, W. H., and BOZICEVICH, J. Tests of anthelmintics for the removal of rabbit parasites. North Amer. Vet. 16: 20-29. July, 1935.

Bureau of Biological Survey

- BURLEIGH, T. D. Notes on the winter bird life of the Delaware coast. Auk 52: 317-318. July 1935.
- COTTAM, C. Winter bird notes from coastal North Carolina. Auk 52: 318-319. July 1935.
- COUCH, L. K. Additional elk planting information. Murrelet 16: 42. May 1935.
- GABRIELSON, J. N. Black pigeon hawk in eastern Oregon. Murrelet 16: 39-40. May 1935.
- A Nevada record of the Harris's sparrow. Murrelet 16: 41. May 1935.
- Destruction of red phalaropes. Murrelet 16: 27-28. May 1935.
- HANSON, K. B., and McBlain, W. G., Jr. Use of elevated wire floors in controlling lungworm infestation in foxes. Jour. Amer. Vet. Med. Assoc. 86 (n. s. 39): 463-473. Apr. 1935.
- JEWETT, S. G. The man-o'-war bird off the Oregon coast. Condor 37: 212-213. July/Aug. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey
(Continued)

- KELLOGG, C. E. Rabbit weight statistics--young rabbits and does. Amer. Rabbit Jour. 5: 114-115. Aug. 1935.
- KELSO, L. A new species and two new varieties of *Glyceria*. *Rhodora* 37 (439): 262-263. July 1935.
- McATEE, W. L. Duration of insect fragments in the stomachs of birds. Murrelet 16: 29-32. May 1935.
- Endocrines and plumage in Brewer's blackbird. [Failure of Thelin and Thyroxin to affect plumage and eye-color of the blackbird, by C. H. Danforth and John B. Price. Proc. Soc. Exp. Biol. Med. 32 (5), 675-678. Feb. 1935.] (Review). Auk 52: 340. July 1935.
- Mendall on fish-eating birds in Maine. [The relationship of certain sea birds to the fishing industry of the State of Maine, by Howard L. Mendall, Bul. Dept. Sea and Shore Fisheries, apparently repaged, 1-28, illus. 1935.] (Review). Auk 52: 337-338. July 1935.
- Economic ornithology in recent entomological publications. Auk 52: 335-337. July 1935.
- MOORE, A. W., and WARD, C. The effect of altitude on the action of drugs, I: Strychnine. Jour. Amer. Pharm. Assoc. 24: 460-464. June 1935.
- MORLEY, L. C. Recent observations on game farm losses. Amer. Game Conf. Trans. 21: 232-237. 1935.
- SHILLINGER, J. E. Diagnosing disease in game. Amer. Game Conf. Trans. 21: 418-424. 1935.
- ZAHNISER, H. In August. Nature Mag. 26: 71. Aug. 1935.

Bureau of Chemistry and Soils

- ADAMS, J. R. Effect of roasting on solubility of alunite. Indus. and Engin. Chem. 27: 780-782. July 1935.
- AMBLER, J. A., and BYALL, S. Impurities in white sugars. VIII. Effects of some impurities on decomposition of sucrose during the barley candy test. Indus. and Engin. Chem., Anal. Ed. 7: 168-173. May 15, 1935.
- BAILEY, L. H., and LeCLERC, J. A. Cake and cake making ingredients. Cereal Chem. 12: 175-212. May 1935.
- BROWNE, C. A. Our chemical heritage. The story of chemistry in old New York. Indus. and Engin. Chem. 27: 501-513. May 1935.
- Potash production and use. Fert. Rev. 10(3): 12-13. May/June, 1935.
- CHACE, E. M. The ethylene process and its place in walnut harvesting. Diamond Walnut News 17(2): 19. Apr. 1935.
- ČSONKA, A. Proteins of yeast (*Saccharomyces Cerevisiae*). Jour. Biol. Chem. 109: 703-715. May 1935.
- DACHNOWSKI-STOKES, A. P. Essentials of a general system of classifying organic soils. Amer. Soil Survey Assoc. Bul. 16: 105-109. 1935.
- Peat land as a conserver of rainfall and water supplies. Ecology 16: 173-177. Apr. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils
(Continued)

- DAVIS, W. B. Observations on the maturation of walnuts. Diamond Walnut News 17(3): 14-15. June 1935.
- Detection and measurement of freezing injury in Valencia oranges. Amer. Jour. Bot. 22: 559-566. May 1935.
- DEMING, W. E. (With C. G. Colcord, Bur. Plant Indus.) The minimum in the gamma function. Nature 135: 917. June 1, 1935.
- HERRICK, H. T., HELLBACH, R., and MAY, O. E. Apparatus for the application of submerged mold fermentations under pressure. Indus. and Engin. Chem. 27: 681-683. June 1935.
- HILL, W. L., and BEESON, K. C. Composition and properties of superphosphate. II. Free acid in superphosphate. Jour. Assoc. Off. Agr. Chem. 18: 244-260. May 1935.
- JAMIESON, G. S., and McKinney, R. S. Caprified fig seed oil. Oil and Soap 12: 88. May 1935.
- KELLOGG, G. E. Men turn their thoughts to the soil. New York Times. 84(28,253, Sect. 7): 6. June 2, 1935.
- KNIGHT, G. The selenium problem. Jour. Assoc. Off. Agr. Chem. 18: 103-108. Feb. 1935.
- McKINNEY, R. S., and JAMIESON, G. S. A study of the composition of American tung oil. Oil and Soap 12: 92. May 1935.
- MATLACK, M. B. A phytosterol and phytosterolin from the sweet potato. Science 81: 536. May 31, 1935.
- Pigments of pink grapefruits, Citrus grandis (L., Osbeck). Jour. Biol. Chem. 110: 249-253. June 1935.
- PINCK, L. A., and HETHERINGTON, H. C. Polymerization of cyanamide to dicyanodiamide. Indus. and Engin. Chem. 27: 834-835. July 1935.
- POORE, H. D. Passion fruit products. Fruit Prod. Jour. 14: 264-268. May 1935.
- PRICE, J. Fire hazards of the cotton industry. Cotton and Cotton Oil News. 36(22): 15. June 1, 1935.
- SCANLAN, J. T. The magenta series. I. The preparation and spectrophotometric study of the lower basic members. Jour. Amer. Chem. Soc. 57: 887-892. May 1935.
- SORBER, D. G. Two season's experimental work with ethylene treatment of walnuts. Diamond Walnut News 17(2): 11-14. Apr. 1935.
- SOUTHARD, J. C., and MILNER, R. T. Low temperature specific heats. V. The heat capacity of tricalcium phosphate between 15 and 298° K. Jour. Amer. Chem. Soc. 57: 983-984. June 1935.
- STEVENS, H. Cottonseed allergy and gin. Jour. Allergy 6: 393. May 1935.
- von LOESECKE, H. W. Preparation of alcoholic citrus beverages. Florida Grower 43(1): 5. Jan. 1935.
- WIEBE, R., and GADDY, V. L. The solubility of helium in water at 0, 25, 50 and 75° and at pressures to 1000 atmospheres. Jour. Amer. Chem. Soc. 57: 847-851. May 1935.
- YEE, J. Y., and DAVIS, R. O. E. Determination of ammoniacal and urea nitrogen. Indus. and Engin. Chem., Anal. Ed. 7: 259-261. July 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT
(Continued)

Bureau of Dairy Industry

- CARY, C. A. Milk and betterfat production on high and low protein rations. (Abstract.) Jour. Dairy Sci. 18: 445. July, 1935.
- CATHCART, S. L. A new disease of dairy cattle. Amer. Dairy Sci. Assoc. South. Div. Abs. Papers Ann. Meeting 1935: 23
- DAWSON, J. R. Some features of the work of the Federal dairy field stations. Amer. Dairy Sci. Assoc. South. Div. Abs. Papers Ann. Meeting 1935: 20-21.
- EVANS, E. I., and MILLER, F. W. An unfertilized tubal ovum in the cow. Anat. Rec. 62:25-30. Apr. 25, 1935.
- FARRAR, R. R. The manufacture of a soft cheese of the Bel Paese type. (Abstract) Jour. Dairy Sci. 18: 476-477. July, 1935.
- HODGSON, R. E., KNOTT, J. C., MURER, H. K., and GRAVES, R. R. The color and carotene content of various home-grown roughage rations and the influence of these rations on the color, carotene and vitamin A potency of the butterfat. (Abstract.) Jour. Dairy Sci. 18: 433-434. July, 1935. (With Wash. Agr. Expt. Sta.)
- KANE, E. A., and SHINN, L. A. The decomposition of carotene during the storage of hays and meals. (Abstract.) Jour. Biol. Chem. 109 (2):xlvi-xlix. May, 1935.
- and CARY, C. A. Effect of the condition of corn plant at cutting upon the carotene content of silage. (Abstract.) Jour. Dairy Sci. 18: 437. July, 1935.
- KENDRICK, J. F. Standardized lactation records for reporting dam and daughter comparisons D.H.I.A. (Abstract.) Jour. Dairy Sci. 18: 489. July, 1935.
- KNOTT, J. C., HODGSON, R. E., and GRAVES, R. R. The stack silage method of preserving forage crops and the comparative nutritive value of oat and pea silage made in a stack and in a tower. (Abstract.) Jour. Dairy Sci. 18:438. July, 1935. (With Wash. Agr. Expt. Sta.)
- MILLER, F. W. "Artificial insemination." Ann. Conv. Conn. Dairymen's Assoc. Rpt. Proc. 1935: 102-105.
- NYSTROM, A. B. A yearly association program. (Abstract.) Jour. Dairy Sci. 18: 483-484. July, 1935.
- SANDERS, G. P., MATHESON, K. J., and BURKEY, L. A. Variations in physical properties of milks. (Abstract.) Jour. Dairy Sci. 18:456-457. July, 1935.
- SIMMS, J. A. Roughage feeding investigations, feeding yearling heifers, progress report. Amer. Dairy Sci. Assoc. South. Div. Abs. Papers Ann. Meeting 1935: 22
- WISEMAN, H. G., and CARY, C. A. The spectrophotometric determination of carotene in butter fat. (Abstract.) Jour. Biol. Chem. 109 (2): ci-cii. May, 1935.

Bureau of Entomology and Plant Quarantine

- BARBER, H. G. New Geocoris from the United States, with key to species (Lygaeidae: Geocorinae). Jour. N. Y. Ent. Soc. 43: 131-137. June 1935.
- BENJAMIN, F. H. Notes on a rare publication by Jacob Hübner and its effect upon modern interpretation of Hübnerian nomenclature. Ent. Rec. and Jour. Variation. 47: 81-82. July-Aug. 1935. (Refers to: Hübner, Jacob. Lepidopterologische Zuträge, Augsburg, 1820)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(Continued)

- BERTHOLF, L. M. Professor Karl V. Frisch and his work with bees. Md. Agr. Soc. Farm Bur. Fed. Rpt. 19(1934): 240-245. 1935.
- BUCHANAN, L. L. Notes on the generic synonymy of *Collabismodes cubae* Boh. (Coleoptera: Curculionidae). Bul. Brooklyn Ent. Soc. 30: 125-126. June 1935.
- BURNSIDE, C. E. Need of better methods for controlling American fowlbrood. Amer. Bee Jour. 75: 320-322. July 1935.
- Plant poisoning of bees and brood. Md. Agr. Soc. Farm Bur. Fed. Rpt. 19(1934): 235-240. 1935.
- CAFFREY, D. J. Methods of controlling truck-crop insects and avoiding harmful residues. Md. Agr. Soc. Farm. Bur. Fed. Rpt. 19(1934): 272-278. 1935.
- DOUGLAS, W. A. Rice field insects. Agr. Expt. Rice Expt. Sta. Crowley. Bien. Rpt. 1933/34: 22-27. [1935].
- FISHER, W. S. A new genus of Buprestidae from Utah (Coleoptera). Ent. Soc. Wash. Proc. 37: [117]-118. June 1935. [*Knowltonia biramosa*, n. sp.].
- LOFTIN, U. C. "Why fight bugs?" asks Uncle Sam's expert. Cotton Trade Jour. 15(21): 28, 118, 140. 1935.
- LUMSDEN, D. Monarchs of the floral kingdom. Amer. Orchid Soc. Bul. 4: 13-16. June 1935.
- McBRIDE, O. C. Response of the Mediterranean fruit fly to its environmental factors. Hawaii. Ent. Soc. Proc. 9: 99-108. July 1935.
- ROARK, R. C. Recent developments in insecticide research. Pacific Sci. Cong. 5th, Victoria and Vancouver, B. C., 1933. Proc.: 3405-3410. 1934.
- SNODGRASS, R. E. Principles of insect morphology. 667p. illus. N. Y., McGraw-Hill Book Co., Inc., 1935.
- STEINER, L. F., Sazama, R. F., and Fahey, J. E. Insecticide tests to control the codling moth at the Vincennes, Indiana, Laboratory during 1934. Ind. Hort. Soc. Trans. 74(1934): 66-71.
- WALTON, W. R. Substitutes, arsenical or nonarsenical? Ent. Soc. Wash. Proc. 37: 136. June 1935.
- WORTHLEY, L. H. The Dutch elm disease: its cause and symptoms. World Today; Encyclopedia Brit. 2(5): 45-46. June 1935.

Bureau of Plant Industry

- ALDRICH, W. W. (With R. A. WORK, Bur. Agr. Engin.) Effect of leaf-fruit ratio and available soil moisture in heavy clay soil upon amount of bloom of pear trees. Amer. Soc. Hort. Sci. Proc. 31(Sup.): 57-74. 1934. (Recd July 1935) (With Oreg. Agr. Expt. Sta.)
- ARCENEUX, G. A simplified method of making theoretical sugar yield calculations. In accordance with the Winter-Carp-Geerligs formula. Internatl. Sugar Jour. 37: 264-265. July 1935.
- ATKINS, I. M. A study of the relationship of some morphological characters to strength of straw and lodging in winter wheat. Hard Red Winter Wheat Improvement Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p.25-27. Mimeographed.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(Continued)

- BEACHELL, H. M. Better rice by breeding. Rice News 2(8): 24-25.
June 1935.
- BLAKE, S. F. New Asteraceae from the United States, Mexico, and South America.
Jour. Wash. Acad. Sci. 25: 311-325. July 15, 1935.
- BOSWELL, V. R. Some recent developments in truck crop research. Md. Agr.
Soc. Farm Bur. Fed. Rpt. 19: 254-265. 1935.
- BROWN, B. E. (With G. A. CUMINGS, Bur. Agr. Engin.) Fertilizers placement
studies with potatoes in 1934. Amer. Potato Jour. 12: 178-182.
July 1935.
- DIEHL, H. C., LUTZ, J. M. & RYALL, A. L. The removal of spray residue
from apples and pears. Midwest Fruitman 8(12): 3-4,9. June 1935.
- ELLIOTT, C. Dissemination of bacterial wilt of corn. Iowa State Col.
Jour. Sci. 9:461-480. Apr. 1935.
- FELLOWS, H. The wheat foot-rots. Hard Red Winter Wheat Improvement
Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p.37-38. Mimeographed.
- FIFIELD, C. C. Baking quality of the hard red winter wheat varieties.
Hard Red Winter Wheat Improvement Conf. 3d, Lincoln, Nebr., Apr. 1935.
p.10-12. Mimeographed.
- GRAVATT, G. F. Chestnut blight in California. Part I. Development of the
disease. Calif. Dept. Agr. Mo. Bul. 24: 173-177. Apr./June 1935.
- HART, H. (With I. L. FORBES, Minn. Agr. Expt. Sta.) The effect of light
on the initiation of rust infection. Phytopathology 25: 715-725.
July 1935.
- HOLBERT, J. R. (With W. P. FLINT and G. H. DUNGAN, Ill. Agr. Expt. Sta., and
J. H. BIGGER, Ill. State Nat. Hist. Surv.) Resistance and susceptibility
of corn strains to second brood chinch bugs. Iowa State Col. Jour.
Sci. 9:413-426. Apr. 1935.
- JENKINS, M. T. The effect of inbreeding and of selection within invred lines
of maize upon the hybrids made after successive generations of selfing.
Iowa State Col. Jour. Sci. 9: 429-450. Apr. 1935.
- JODON, N. E. Improving rice varieties. La. Agr. Expt. Sta. Rice Expt.
Sta. Crowley. Bien. Rpt. 1933/34: 15-18. [1935]
- JOHNSTON, C. O. The rusts of wheat. Hard Red Winter Wheat Improvement
Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p.33-34. Mimeographed.
- Wheat disease garden. Hard Red Winter Wheat Improvement Conf.
3d, Lincoln, Nebr., Apr. 1935. Rpt. p.34-35. Mimeographed.
- LOWMAN, M. S. Growing sweet basil in Virginia; experiments in domestic
culture at Arlington, Va. Amer. Perfumer 30: 76-79. Apr. 1935.
- NELSON, A. L. Agricultural experimental work. Mont. Stockman-Farmer
41(7): 13. July 1935.
- PARKER, J. H. Breeding early winter wheats. Hard Red Winter Wheat Im-
provement Conf. 3d, Lincoln, Nebr. Apr. 1935. Rpt. p.18-20. Mimeographed.
- QUISENBERRY, K. S. Genetic studies with winter wheat. Hard Red Winter
Wheat Improvement Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p. 27-28.
Mimeographed.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(Continued)

- QUISENBERRY, K. S. The regional program. Hard Red Winter Wheat Improvement Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p. 31-32. Mimeographed.
- RODENHISER, H. A. Results from uniform bunt nurseries. Hard Red Winter Wheat Improvement Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p. 35-37. Mimeographed.
- SAVAGE, D. A., and JACOBSON, L. A. The killing effect of heat and drought on buffalo grass and blue grama grass at Hays, Kansas. Jour. Amer. Soc. Agron. 27: 566-582. July 1935. (With Kans. Agr. Expt. Sta., Ft. Hays Branch)
- SCHREINER, O. Early fertilizer work in the United States. Soil Sci. 40: 39-47. July 1935.
- SPAULDING, P. Lophodermium pinastri causing leafcast of Norway pine in nurseries. U. S. Dept. Agr. Northeast. Forest Expt. Sta. Tech. Note 18. 2 p. Mar. 8, 1935. (In cooperation. Mimeographed.)
- and HANSBROUGH, J. R. The dying of beech in 1934. U. S. Dept. Agr. Northeast. Forest Expt. Sta. Tech. Note 20. 2 p. Mar. 8, 1935. (In cooperation. Mimeographed.)
- STEVENSON, F. J. Yellow-fleshed potatoes. Amer. Potato Jour. 12: 194. July 1935.
- SUNESON, C. A. Controlled hardiness studies. Hard Red Winter Wheat Improvement Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p. 14-16. Mimeographed.
- SWANSON, A. F. Pasturing winter wheat. Hard Red Winter Wheat Improvement Conf. 3d, Lincoln, Nebr., Apr. 1935. Rpt. p. 21-22. Mimeographed.
- TULLIS, E. C. Rice diseases. La. Agr. Expt. Sta. Rice Expt. Sta. Crowley. Bien. Rpt. 1933/34: 19-20. [1935]
- WADE, B. L., and ZAUMEYER, W. J. Modern methods of breeding for disease-resistant beans and peas. Canning Age 16: 318-320. July 1935.
- WEISS, F. (With F. P. McWHARTER, Oreg. Agr. Expt. Sta.) The transportation of Godfrey Calla Rhizomes in moist packs. Florists' Exch. 85(4): 13, 17. July 27, 1935.

-2-6-6- - - - -2-6-6-6-6-6-6-

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK *

Alabama

- DUGGAR, J. F. Relative promptness of nodule formation among vetches, vetchlings, winter peas, clovers, melilots, and medics. Jour. Amer. Soc. Agron. 27: 542-545. July 1935.
- FUNCHNESS, M. J. Nitrogen in southern agriculture. Amer. Fert. 82:11,26-30; 83:10-11. June 29, July 13, 1935.
- WARE, L. M. Relation of the size of seed piece to recovery of the Irish potato after killing of tops by cold. Amer. Soc. Hort. Sci. Proc. (1934) 32:510-513. 1935.
- WEDDELL, D. J. A semi-automatic sprinkling system for the small nursery. Jour. Forestry 33: 691-692. July 1935.

Arizona

- FINCH, A. H. Further notes on pecan filling and maturity. Amer. Soc. Hort. Sci. Proc. (1934) 32:24-28. 1935.
- FINCH, A. H., ALBERT, D. W., and KINNISON, A. F. Progress on the control of citrus chlorosis or decline. Amer. Soc. Hort. Sci. Proc. (1934) 32:20-23. 1935.
- MCGEORGE, W. T. Some aspects of citrus decline in Arizona. Calif. Citrograph 20:198, 214-216. May 1935.

California

- ALLEN, F. W. The influence of sugar, nitrogen fertilizers, and of ringing Gravenstein apple trees upon color and maturity of the fruit. Amer. Soc. Hort. Sci. Proc. (1934) 32:52-55. 1935.
- ALLEN, F. W. (With L. R. McKINNON, Univ. Calif.) Storage of yellow Newtown apples in chambers supplied with artificial atmospheres. Amer. Soc. Hort. Sci. Proc. (1934) 32: 146-152. 1935.
- BASINGER, A. J., and BOYCE, A. M. Progress report on orange worm control. Calif. Citrograph 20:158,178-179, April 1935.
- BEACH, J. R. The development of fowl-pox vaccination in the United States. World's Poultry Cong. Rpt. Proc. 5(1933):105-107. 1934.
- BISSEON, C. S., and JONES, E. A. Determining changes in stored material by use of a reference element. Amer. Soc. Hort. Sci. Proc. 31 (Sup.): 122-124. 1934. (Rec'd July 1935)
- BOYNTON, W. H. (With G. M. WOODS, Univ. Calif.) A serum reaction observed in anaplasmosis. Jour. Amer. Vet. Med. Assoc. 87:59-63. July 1935.
- CHANDLER, W. H. The dry-matter residue of trees and their products in proportion to leaf area. Amer. Soc. Hort. Sci. Proc. 31(Sup.):39-56. 1934. (Rec'd July 1935)
- CHANDLER, W. H., HOAGLAND, D. R., and HIBBARD, P. L. Little-leaf or rosette of fruit trees. IV. Amer. Soc. Hort. Sci. Proc. (1934) 32:11-19. 1935.

*Prepared in Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California
(Continued)

- COLE, W. C. Here is how you can make good fruit ice cream. Ice Cream Trade Jour. 31:17-18. May 1935.
- CRUESS, W. V. (With E. DEVELTER, Univ. Calif.) An improved method of pickling olives. Fruit Prod. Jour. and Amer. Vinegar Indus. 14:146. July 1935.
- CRUESS, W. V. Two suggested uses for California lemons. Calif. Citrograph 20:246. June 1935.
- CRUESS, W. V. Wine makers warned against spoilage of Muscat. Fruit Prod. Jour. and Amer. Vinegar Indus. 14:327. July 1935.
- DAVIS, L. D. (With N. P. MOORE, Univ. Calif.) Seasonal changes in Bartlett pear leaves. Amer. Soc. Hort. Sci. Proc. (1934) 32:131-138. 1935.
- DAVIS, L. D. Some ash constituents of alternate-bearing sugar prune trees. Amer. Soc. Hort. Sci. Proc. (1934) 32:125-130. 1935.
- DUFRENOY, J., and REED, H. S. The choice of killing fluids appropriate for cytological research. Science n.s. 81:273-274. March 15, 1935. (Scientific apparatus and laboratory methods)
- EMSWELLER, S. L. Premature seeding in inbred lines of celery. Amer. Soc. Hort. Sci. Proc. 31(Sup.):155-159. 1934. (Rec'd July 1935)
- GUILBERT, H. R. Factors affecting the carotene content of alfalfa hay and meal. Jour. Nutrition 10:45-62. July 10, 1935.
- HAAS, A. R. C. Juice of navel oranges in relation to soil fertilization. Calif. Citrograph 20:160,172-173. April 1935.
- HALMA, F. F. Some phases in the water relation of citrus. Amer. Soc. Hort. Sci. Proc. 31(Sup.):108-109. 1934. (Rec'd July 1935)
- HALMA, F. F. Trunk growth and the water relation in leaves of citrus. Amer. Soc. Hort. Sci. Proc. (1934) 32:273-276. 1935.
- HANNA, G. C. Summary of performance records of individual plants of Mary Washington asparagus. Amer. Soc. Hort. Sci. Proc. (1934) 32:493. 1935.
- HENDRICKSON, A. H., and VEIHMEYER, F. J. Size of peaches as affected by soil moisture. Amer. Soc. Hort. Sci. Proc. (1934) 32:284-286. 1935.
- HINSHAW, W. R. Moniliasis (thrush) in turkeys and chickens. World's Poultry Cong. Rpt. Proc. 5(1933):190-197. 1934.
- JACOB, H. E. The response of the Hunisa grape to girdling. Amer. Soc. Hort. Sci. Proc. (1934) 32:386-388. 1935.
- KELLEY, W. P. Some erroneous ideas concerning mottle leaf. Calif. Citrograph 20:234. June 1935.
- JONES, H. A., and Bisson, C. S. Moisture content of different varieties of onions. Amer. Soc. Hort. Sci. Proc. 31(Sup.):165-168. 1934. (Rec'd July 1935)
- JONES, H. A., and EMSWELLER, S. L. The use of flies as onion pollinators. Amer. Soc. Hort. Sci. Proc. 31(Sup.):160-164. 1934. (Rec'd July 1935)
- KELLEY, W. P. The agronomic importance of calcium. Soil Sci. 40:103-109. July 1935.
- LILLELAND, O. (With L. NEWSOME, Univ. Calif.) A growth study of the cherry fruit. Amer. Soc. Hort. Sci. Proc. (1934) 32:291-299. 1935.
- OLMO, H. P. Bud mutation in the vinifera grape. I. "Parthenocarpic" Sultanina. Amer. Soc. Hort. Sci. Proc. 31(Sup.):119-121. 1934. (Rec'd July 1935)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California
(Continued)

- OLMO, H. P. Empty-seededness in varieties of *Vitis vinifera*. Amer. Soc. Hort. Sci. Proc. (1934) 32:376-380. 1935.
- PARKER, E. R. Experiments on the treatment of mottle-leaf of citrus trees. Amer. Soc. Hort. Sci. Proc. 31(Sup.):98-107. 1934. (Rec'd July 1935)
- POOLE, C. F. Corn-earworm resistance in maize varieties at Davis, California, 1934. Amer. Soc. Hort. Sci. Proc. (1934) 32:453-457. 1935.
- PORTER, D. R., and BISSON, C. S. Total soluble solids and sugars in water-melons. Amer. Soc. Hort. Sci. Proc. (1934) 32:596-599. 1935.
- SAMISCH, R., and CRUESS, W. V. Enzymatic darkening in apricots. Amer. Soc. Hort. Sci. Proc. 31(Sup.):28-31. 1934. (Rec'd July 1935) (R. Samisch, Univ. Calif.)
- SCOTT, G. W. Observations on some inbred lines of bush types of *Cucurbita pepo*. Amer. Soc. Hort. Sci. Proc. (1934) 32:480. 1935. (Abstract)
- TAVERNETTI, J. R. Characteristics of the resistance type soil sterilizer. Agr. Engin. 16:271-274. July 1935.
- TUFTS, W. P., and DAY, L. H. Nematode resistance of certain deciduous fruit tree seedlings. Amer. Soc. Hort. Sci. Proc. 31(Sup.):75-82. 1935.
- WEBBER, H. J. Influence of rootstock strains on yield and size of lemon trees. Amer. Soc. Hort. Sci. Proc. 31(Sup.):83-88. 1934. (Rec'd July 1935)

Connecticut (State)

- SINGLETON, W. R. Early researches in maize genetics. Jour. Heredity 26:49-59; 120-126. February, March 1935.

Connecticut (Storrs)

- JUNGHERR, E. The etiologic and diagnostic aspects of the fowl paralysis problem. U. S. Livestock Sanit. Assoc. Rpt. 38(1934):424-432. [1935]

Florida

- BECKER, R. B. [and others] A study of the palatability and possible toxicity of 11 species of *Crotalaria*, especially of *C. spectabilis* Roth. Jour. Agr. Research [U. S.] 50:911-922. June 1, 1935. (In cooperation with U. S. Dept. Agr.)
- BELL, C. E. Rate of decomposition of organic matter in Norfolk sand as measured by the formation of carbon dioxide and nitrates. Jour. Agr. Research [U. S.] 50:717-730. May 1, 1935.
- BOURNE, B. A. A comparative study of certain morphological characters of sugarcane x sorgo hybrids. Jour. Agr. Research [U. S.] 50:520-552. March 15, 1935.
- EMMEL, M. W. The etiology of fowl paralysis (*Neuro-lymphomatosis gallinarum* - Pappenheimer), leucosis and allied conditions in the fowl. U. S. Livestock Sanit. Assoc. Rpt. 38(1934):419-423. [1935]
- EMMEL, M. W. The toxicity of *Glottidium vesicarium* (Jacq.) Harper seeds for the fowl. Jour. Amer. Vet. Med. Assoc. 87:13-21. July 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Idaho

TUCKER, L. R. Notes on sweet cherry doubling. Amer. Soc. Hort. Sci. Proc. (1934) 32:300-302. 1935.

Illinois

- COLBY, A. S. Inheritance of gooseberry leaf infection. Amer. Soc. Hort. Sci. Proc. (1934) 32:397-399. 1935.
- DECKER, S. W. Factors influencing the cooling of packages of fruit. Amer. Soc. Hort. Sci. Proc. (1934) 32:153-156. 1935.
- DORSEY, M. J. Ice formation in the fruit bud of the peach. Amer. Soc. Hort. Sci. Proc. 31(Sup.):22-27. 1934. (Rec'd July 1935)
- DORSEY, M. J. The value of a good variety name. Amer. Fruit Grower 55:8, 16, 18. June 1935.
- DORSEY, M. J., and McMUNN, R. L. The volume increase in Elberta during the harvesting period. Amer. Soc. Hort. Sci. Proc. (1934) 32:287-290. 1935.
- GARRIGUS, W. P., and MITCHELL, H. H. The effect of grinding on the digestibility of corn by pigs and on its content of metabolizable energy. Jour. Agr. Research [U. S.] 50:731-735. May 1, 1935.
- GRAHAM, R. Results of inoculating laboratory animals with equine brain-tissue suspensions and equine brain-tissue filtrates from spontaneous cases of so-called cornstalk disease. Jour. Amer. Vet. Med. Assoc. 86:778-780. June 1935.
- HOLBERT, J. R., FLINT, W. P., BIGGER, J. H., and DUNGAN, G. H. Resistance and susceptibility of corn strains to second brood chinch bugs. Iowa State Col. Jour. Sci. 9:413-426. April 1935. (J. R. Holbert, J. H. Bigger and G. H. Dungan, U. S. Dept. Agr.)
- McCOLLUM, J. P. The effect of blanching on quality of asparagus. Amer. Soc. Hort. Sci. Proc. (1934) 32:487. 1935. (Abstract)
- McMUNN, R. L. The effect of adverse climate on the sizing of cherry fruits. Amer. Soc. Hort. Sci. Proc. (1934) 32:303-307. 1935.
- McMUNN, R. L., and DORSEY, M. J. Seven years' results of the hardiness of Elberta fruit buds in a fertilizer experiment. Amer. Soc. Hort. Sci. Proc. (1934) 32:239-243. 1935.
- MARSH, R. S. Additional studies on the effect of commercial forms of nitrogenous fertilizers as applied to apple trees. Amer. Soc. Hort. Sci. Proc. (1934) 32:76. 1935. (Abstract)

Indiana

- GAYLORD, F. C., and MacGILLIVRAY, J. H. Artificial light as an aid to tomato grading. Amer. Soc. Hort. Sci. Proc. (1934) 32:532-535. 1935.
- MacGILLIVRAY, J. H. The variation in temperature of tomatoes and their color development. Amer. Soc. Hort. Sci. Proc. (1934) 32:529-531. 1935.
- WILEMAN, R. H. Trash shields for plows. Agr. Engin. 16:260, 286. July 1935.
- WITHROW, R. B. A photoelectric device for the rapid measurement of leaf area. Jour. Agr. Research [U. S.] 50:637-643. April 1, 1935.
- WORZELLA, W. W. Inheritance of cold resistance in winter wheat, with preliminary studies on the technic of artificial freezing tests. Jour. Agr. Research [U. S.] 50:625-635. April 1, 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Iowa

- AIKMAN, J. M. The relation of the stages of plant succession to soil erosion. Iowa State Col. Jour. Sci. 9:379-390. April 1935.
- BROWN, P. E. The beginnings and development of soil microbiology in the United States. Soil Sci. 40:49-58. July 1935.
- BUCHANAN, R. E. Applied botanical research on maize. Iowa State Col. Jour. Sci. 9:411-412. April 1935.
- DAVIS, G. N. Some new aspects of maize smut. Iowa State Col. Jour. Sci. 9: 505-507. April 1935. (Abstract)
- EISELE, H. F. Leaf area and growth rate of corn plants. Iowa State Col. Jour. Sci. 9:521-526. April 1935.
- ERRINGTON, P. L. What counts in northern bobwhite management. Amer. Game Conf. Trans. 21(1935):370-376. 1935.
- HABER, E. S. How far should sweet corn grown for seed be planted from other corn to prevent contamination. Amer. Soc. Hort. Sci. Proc. (1934) 32: 450-452. 1935.
- HUGHES, H. D. The future of corn production. Iowa State Col. Jour. Sci. 9: 559-560. April 1935.
- HUMPHREY, L. M. Chromosome studies in black Mexican maize. I. Behavior of extra chromosomes in black Mexican inbreds and hybrids with dent types of maize. Iowa State Col. Jour. Sci. 9:549-557. April 1935.
- LAMBERT, W. V. (With A. SCIUCHETTI, Iowa State Col.) A dwarf mutation in the rat. Science n.s. 81:278. March 15, 1935. (Special articles)
- LANTZ, H. L., and BOLE, S. J. Apple breeding: inheritance of tree shape in apple progenies. Amer. Soc. Hort. Sci. Proc. (1934) 32:256-260. 1935.
- LINDSTROM, E. W. Genetic experiments on hybrid vigor in maize. Amer. Nat. 69:311-322. July-Aug. 1935.
- LINDSTROM, E. W. Some new mutants in maize. Iowa State Col. Jour. Sci. 9: 451-460. April 1935.
- LOOMIS, W. E. The translocation of nitrogen in woody plants. Amer. Soc. Hort. Sci. Proc. (1934) 32:61-64. 1935.
- MCNEW, G. L. Preliminary studies on the effect of filtrates from cultures of *Diplodia zeae* upon seedling blight of maize. Iowa State Col. Jour. Sci. 9: 481-487. April 1935.
- MANEY, T. J., and PLAGGE, H. H. A study of production and physiology of Concord grape vines as affected by variations in the severity of pruning. Amer. Soc. Hort. Sci. Proc. (1934) 32:392-396. 1935.
- MANEY, T. J., and PLAGGE, H. H. Three apple stocks especially well adapted to the practice of double working. Amer. Soc. Hort. Sci. Proc. (1934) 32: 330-333. 1935.
- MARTIN, J. N. (With A. L. HERSHEY, Iowa State Col.) The ontogeny of the maize plant - the early differentiation of stem and root structures and their morphological relationships. Iowa State Col. Jour. Sci. 9:489-504. April 1935.
- MILBY, T. T. A method for determining the ash content of the leg bones of chicks with slipped tendon. Poultry Sci. 14:247-251. July 1935.
- PLAGGE, H. H., and MANEY, T. J. Soggy breakdown of winter banana apples. Phytopathology 25:730-731. July 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Iowa
(Continued)

- FEDDY, C. S. Relation of rate of planting to the effect of corn seed treatment. Iowa State Col. Jour. Sci. 9: 527-538. April 1935.
- STONTEMYER, V. T., MANEY, T. J., and PICKETT, B. S. Root formation in softwood cuttings of apple. Amer. Soc. Hort. Sci. Proc. (1934) 32:343-346. 1935.
- THORNE, D. W., and WALKER, R. H. Physiological studies on Rhizobium. III. Respiration and growth as influenced by the reaction of the medium. Jour. Bact. 30:33-42. July 1935.
- WATERS, N. F. Certain so-called malpositions a natural occurrence in the normal development of the chick embryo. Poultry Sci. 14:208-216. July 1935.
- WELLSHAUSEN, E. J. Genetic investigations of bacterial wilt resistance in corn as caused by Bacterium stewartii (Smith) Migula. Iowa State Col. Jour. Sci. 9:539-547. April 1935.
- WILKINS, F. S. Effect of species of grasses and legumes sown and treatment upon the population of meadows and pastures. Iowa State Col. Jour. Sci. 9: 391-398. April 1935.

Kansas

- ACKERT, J. E., and GRAHAM, G. L. The efficacy of carbon tetrachloride in roundworm control. Poultry Sci. 14:228-231. July, 1935.
- ACKERT, J. E. [and others] Comparative resistance of five breeds of chickens to the nematode Ascaridia lineata (Schneider). Jour. Agr. Research [U. S.] 50:607-624. April 1, 1935.
- BARNETT, R. J. Two problems facing teachers of horticulture. Amer. Soc. Hort. Sci. Proc. (1934) 32:192-195. 1935.
- PICKETT, W. F. Photosynthetic activity and internal structure of apple leaves are correlated. Amer. Soc. Hort. Sci. Proc. (1934) 32:81-85. 1935.
- RANDOLPH, L. F. A new fixing fluid and a revised schedule for the paraffin method in plant cytology. Stain Tech. 10:95-96. July 1935. (Cooperating with U. S. Dept. Agr.)
- SAVAGE, D. A. (With L. A. JACOBSON, U. S. Dept. Agr.) The killing effect of heat and drought on buffalo grass and blue grama grass at Hays, Kansas. Jour. Amer. Soc. Agron. 27:566-582. July 1935.
- WARREN, D. C., and SCOTT, H. M. An attempt to produce turkey-chicken hybrids. Jour. Heredity 26:105-107. March 1935.
- WARREN, D. C., and SCOTT, H. M. The time factor in egg formation. Poultry Sci. 14:195-207. July 1935.

Kentucky

- EMMERT, E. M. Tests for nutrients in conducting tissue as indicators of the nutritional status in horticultural crops. Amer. Soc. Hort. Sci. Proc. (1934) 32:604-609. 1935.
- McHARGUE, J. S., YOUNG, D. W., and CALFEE, R. K. The effect of certain fertilizer materials on the iodine content of important foods. Jour. Amer. Soc. Agron. 27:559-565. July 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Louisiana

MILLER, J. C. (With F. D. COCHRAN and O. B. GARRISON, La. State Univ.) Some factors affecting color in carrots. Amer. Soc. Hort. Sci. Proc. (1934) 32:583-586. 1935.

Maine

BAILEY, R. M., and BURGESS, I. M. Breeding cucumbers resistant to scab. Amer. Soc. Hort. Sci. Proc. (1934) 32:474-476. 1935.
DOVE, W. F. Classification of chick-embryo positions at different ages and malposition as a cause of mortality. Jour. Agr. Research [U. S.] 50:923-931. June 1, 1935.

Maryland

BEAUMONT, J. H. (With M. H. HALLER, U. S. Dept. Agr.) Relative value of several wetting agents in removing lead residues from apples. Amer. Soc. Hort. Sci. Proc. (1934) 32:183-189. 1935.
FRAZIER, W. A. A study of some factors associated with the occurrence of cracks in the tomato fruit. Amer. Soc. Hort. Sci. Proc. (1934): 32:519-523. 1935.
HALLER, M. H., BEAUMONT, J. H., MURRAY, C. W., and CASSIL, C. C. Lead residues and their removal as influenced by spray programs. Amer. Soc. Hort. Sci. Proc. (1934) 32:179-182. 1935. (M. H. Haller, C. W. Murray and C. C. Cassil, U. S. Dept. Agr.)
PARKER, M. W. (With C. E. WHITE, Univ. Md.) Simple sodium press. Jour. Chem. Educ. 12:232. May 1935.

Massachusetts

ARCHIBALD, J. G., and BENNETT, E. Yield and chemical composition of certain species of grass. Jour. Agr. Research [U. S.] 50:711-715. April 15, 1935.
BEAUMONT, A. B., and SNELL, M. E. The effect of magnesium deficiency on crop plants. Jour. Agr. Research [U. S.] 50:553-562. March 15, 1935.
FELLERS, C. R. [and others] Effect of fertilization, freezing, cooking and canning on the vitamin C and A content of asparagus. Amer. Soc. Hort. Sci. Proc. 31(Sup.):145-151. 1934. (Rec'd July 1935)
FELLERS, C. R., and SMITH, G. G. Vitamins C and A in maple products. Amer. Soc. Hort. Sci. Proc. 31(Sup.):96-97. 1934. (Rec'd July 1935)
SHAW, J. K. The lifetime yield of an apple orchard. Amer. Soc. Hort. Sci. Proc. 31(Sup.):35-38. 1934. (Rec'd July 1935)
SHAW, J. K. Some experiences with the Thornton test for potash in apple trees. Amer. Soc. Hort. Sci. Proc. (1934) 32:56-60. 1935.
SMITH, G. G., and FELLERS, C. R. Vitamin C content of twenty-one Massachusetts grown varieties of apples. Amer. Soc. Hort. Sci. Proc. 31(Sup.):89-95. 1934. (Rec'd July 1935)

Michigan

- FABIAN, F. W. (With H. H. Buskirk, Mich. State Col.) *Aërobacter aërogenes* as a cause of ropiness in maple sirup. *Indus. and Engin. Chem.* 27:349-350. March 1935.
- GARDNER, V. R. The susceptibility of flower buds of the Montmorency cherry to injury from low temperature. *Jour. Agr. Research [U. S.]* 50:563-572. March 15, 1935.
- GILTNER, W. [and others] Report of committee on parasitic diseases. U. S. Livestock Sanit. Assoc. Rpt. 38(1934):435-442. [1935]
- HERBERT, P. A. Michigan enacts rural zoning law. *Jour. Forestry* 33:694-695. July 1935.
- MAHONEY, C. H. Breeding snap beans for mosaic resistance: a progress report. *Amer. Soc. Hort. Sci. Proc.* (1934) 32:483-484. 1935.
- MAHONEY, C. H., and MUNCIE, J. H. Is resistance to bacterial wilt in sweet corn heritable? *Amer. Soc. Hort. Sci. Proc.* (1934) 32:458-473. 1935.
- MAHONEY, C. H. Seed transmission of mosaic in inbred lines of muskmelons (*Cucumis Melo* L.) *Amer. Soc. Hort. Sci. Proc.* (1934) 32:477-480. 1935.
- MOORE, L. A. Effect of gossypol upon the muscle of the small intestine of the rat. *Jour. Agr. Research [U. S.]* 50:899-909. June 1, 1935.
- VEATCH, J. O. Graphic and quantitative comparisons of land types. *Jour. Amer. Soc. Agron.* 27:505-510. July 1935.

Minnesota

- ALDERMAN, W. H., and ANGELO, E. An analysis of the breeding value of certain plum varieties. *Amer. Soc. Hort. Sci. Proc.* (1934) 32:351-356. May 1935.
- BRIERLEY, W. G. Absorption of water by the foliage of some common fruit species. *Amer. Soc. Hort. Sci. Proc.* (1934) 32:277-283. 1935.
- BRIERLEY, W. G. Winter desiccation in the Latham ras. berry. *Amer. Soc. Hort. Sci. Proc.* 31(Sup.):110-113. 1934. (Rec'd July 1935)
- BRIERLEY, W. G., and ANGELO, E. Winter killing of the roots of the Beta grape. *Amer. Soc. Hort. Sci. Proc.* 31(Sup.):114-118. 1934. (Rec'd July 1935)
- CURRENCE, T. M., and LEACH, J. G. Progress in developing muskmelon strains resistant to *Fusarium*. *Amer. Soc. Hort. Sci. Proc.* (1934) 32:481-482. 1935.
- CURRENCE, T. M. Results from hybridizing cabbage with Brussels sprouts. *Amer. Soc. Hort. Sci. Proc.* (1934) 32:485-487. 1935.
- HART, H., and FORBES, I. L. The effect of light on the initiation of rust infection. *Phytopathology* 25:715-725. July 1935. (In cooperation with U. S. Dept. Agr.)
- HUNT, E. Some studies in chemical preservation of fruit specimens. *Amer. Soc. Hort. Sci. Proc.* (1934) 32:196-199. 1935.
- KERNKAMP, H. C. H. Soil, iron, copper and iron in the prevention and treatment of anemia in suckling pigs. *Jour. Amer. Vet. Med. Assoc.* 87:37-58. July 1935.
- LONGLEY, L. E. The value of peat in a potting soil mixture. *Amer. Soc. Hort. Sci. Proc.* (1934) 32:639-644. 1935.
- NELSON, J. W., and PALMER, L. S. The phosphorus content and requirements of the flour beetle *Tribolium confusum* Duval, and a study of its need for vitamin D. *Jour. Agr. Research [U. S.]* 50:849-852. May 15, 1935.
- PALMER, L. S. [and others] Supplementary report of an experiment to determine the effect of a low calcium ration on reproduction in cattle; effects of further reduction in calcium and of removing vitamin supplements. *Cornell Vet.* 25:229-246. July 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Mississippi

- EDMOND, J. B. The influence of planting date on the shape of the Nancy Hall sweet potato. Amer. Soc. Hort. Sci. Proc. (1934) 32:502-503. 1935.
- EDMOND, J. B. The influence of size of seed stock on plant production of the Nancy Hall potato. Amer. Soc. Hort. Sci. Proc. (1934) 32:504-506. 1935.
- GREENE, S. W. Effect of annual grass fires on organic matter and other constituents of virgin longleaf pine soils. Jour. Agr. Research [U. S.] 50: 809-822. May 15, 1935. (In cooperation with U. S. Dept. Agr.)

Missouri

- DURANT, A. J., and TUCKER, C. M. Aspergillosis of wild turkeys reared in captivity. Jour. Amer. Vet. Med. Assoc. 86:781-784. June 1935. (Clinical and case reports)
- ELDER, C. Avitaminosis A in swine. Jour. Amer. Vet. Med. Assoc. 87:22-30. July 1935.
- FUNK, E. M. Relation of body weight and egg weight in the domestic fowl. Poultry Sci. 14:232-236. July 1935.
- STADLER, L. J. Loss mutations in maize. Iowa State Col. Jour. Sci. 9:427. April 1935. (Abstract)
- TALBERT, T. J. How poisonous is spray residue? Amer. Soc. Hort. Sci. Proc. (1934) 32:170-174. 1935.

Montana

- GREEN, J. R., and MORRIS, H. E. A new legume in Montana. Jour. Amer. Soc. Agron. 27:546-549. July 1935.
- TUNNICLIFF, E. A., and MARSH, H. Bang's disease in bison and elk in the Yellowstone National Park and on the National Bison Range. Jour. Amer. Vet. Med. Assoc. 86:745-752. June 1935.
- YOUNG, P. A. Decane ring-spot of apple leaves, and symptoms of decane injury in apple, potato and onion. Amer. Jour. Bot. 22:629-634. July 1935.

Nebraska

- KIESSELBACH, T. A., and WEIHING, R. M. The comparative root development of selfed lines of corn and their F_1 and F_2 hybrids. Jour. Amer. Soc. Agron. 27:538-541. July 1935.
- VAN ES, L., and OLNEY, J. F. Environment and poultry diseases. U. S. Live-stock Sanit. Assoc. Rpt. 38(1934):390-406. 1935.
- WEIHING, R. M. The comparative root development of regional types of corn. Jour. Amer. Soc. Agron. 27:526-537. July 1935.
- WERNER, H. O. The effect of temperature, photoperiod and nitrogen level upon tuberization in the potato. Amer. Soc. Hort. Sci. Proc. (1934) 32:507. 1935. (Abstract)
- WERNER, H. O. Seed value of potatoes grown in different crop rotations with irrigation. Amer. Potato Jour. 12:118-124. May 1935.
- WERNER, H. O. Storage losses with sound and damaged Triumph potatoes. Amer. Soc. Hort. Sci. Proc. (1934) 32:514. 1935.

Nevada

RECORDS, E., and VAWTER, L. R. Equine encephalomyelitis cross-immunity in horses between western and eastern strains of virus. Jour. Amer. Vet. Med. Assoc. 86:773-777. June 1935.

New Hampshire

POTTER, G. F. Results of incorporating a heavy application of superphosphate deeply into an orchard soil. Amer. Soc. Hort. Sci. Proc. (1934) 32:70-72. 1935.

TINGLEY, M. A., and POTTER, G. F. Effect of crop and treatment on winter injury to Baldwins. Amer. Soc. Hort. Sci. Proc. (1934) 32:234-238. 1935. (M. A. Tingley, Univ. New Hamp.)

New Jersey

BEAUDETTE, F. R. Infectious laryngotracheitis. World's Poultry Cong. Rpt. Proc. 5(1933):165-170. 1934.

BLAIR, A. W., Jacob G. Lipman and New Jersey agriculture. Soil. Sci. 40:25-29. July, 1935.

CLARK, J. H. Breeding strawberries for a particular ripening season. Amer. Soc. Hort. Sci. Proc. (1934) 32:416-419. 1935.

DAVIDSON, O. W. Growing trees from "non-viable" peach seeds. Amer. Soc. Hort. Sci. Proc. (1934) 32:308-312. 1935.

KUBIENA, W., and RENN, C. E. Micropedological studies of the influence of different organic compounds upon the microflora of the soil. Zentbl. Bakt. [etc.] II. Abt. 91:267-292. Jan. 30, 1935.

NIGHTINGALE, G. T. Effects of temperature on growth, anatomy, and metabolism of apple and peach roots. Bot. Gaz. 96:581-639. June 1935.

WAKSMAN, S. A. Jacob G. Lipman as an investigator: a chapter in the history of soil microbiology. Soil Sci. 40:11-23. July 1935.

New York (Cornell)

ALLEN, A. A. (With P. P. LEVINE, Cornell Univ.) A brief study of the willow ptarmigan and its relation to predators and leucocytozoon disease. Amer. Game Conf. Trans. 21(1935):381-386. 1935.

ASDELL, S. A., and CROWELL, M. F. The effect of retarded growth upon the sexual development of rats. Jour. Nutrition 10:13-24. July 10, 1935.

ASDELL, S. A. Goat research in 1934. Brit. Goat Soc. Year Book 1935:101, 103-104. 1935.

BATJER, L. P. Soil variation and its relation to winter killing of roots of young apple trees. Amer. Soc. Hort. Sci. Proc. (1934) 32:230-233. 1935.

BLODGETT, F. M. [and others] Three years' results using Bordeaux mixture with reduced amounts of lime as a potato spray. Amer. Potato Jour. 12:171-177. July 1935.

HEINICKE, A. J. Photosynthesis in apple leaves during late fall and its significance in annual bearing. Amer. Soc. Hort. Sci. Proc. (1934) 32:77-80. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

New York (Cornell)

(Continued)

- KNOTT, J. E. Effect of a localized photoperiod on spinach. Amer. Soc. Hort. Sci. Proc. 31(Sup.):152-154. 1934. (Rec'd July 1935)
- KNOTT, J. E. The effects of certain salts on the growth of onions. Amer. Soc. Hort. Sci. Proc. (1934) 32:561-563. 1935.
- LIVERMORE, J. R. The potato field trial. Amer. Potato Jour. 12:142-150. June 1935.
- MCCAY, C. M., CROWELL, M. F., and MAYNARD, L. A. The effect of retarded growth upon the length of life span and upon the ultimate body size. Jour Nutrition 10:63-79. July 10, 1935.
- MADER, E. O., and BLODGETT, F. M. Potato spraying and potato scab. Amer. Potato Jour. 12:137-142. June 1935.
- PLATENIUS, H., and KNOTT, J. E. Pungency of onions in relation to variety and ecological factors. Amer. Soc. Hort. Sci. Proc. (1934) 32:593-595. 1935.
- RASMUSSEN, M. P. Trends and changes in the distribution of fruits and vegetables. Citrus Leaves 15:7-8, 13-14, 16, 18. May 1935.
- THOMPSON, H. C. Effect of size of sets on yield and on the production of doubles in onions. Amer. Soc. Hort. Sci. Proc. (1934) 32:558-560. 1935.

New York (State)

- BOWERS, C. S., and HUCKER, G. J. The composition of media for the bacteriological analysis of milk. Internatl. Assoc. Dairy and Milk Inspectors Ann. Rpt. 23(1934):219-231. 1935. (C. S. Bowers, Board of health laboratory, New Britain, Conn.)
- JENKINS, R. R. Alcohol-insoluble residue as an index of quality of sweet corn. Amer. Soc. Hort. Sci. Proc. (1934) 32:587-592. 1935.
- NEBEL, B. R. Characteristics of diploid and triploid apple varieties I: Measurements of stomata. Amer. Soc. Hort. Sci. Proc. (1934) 32:254-255. 1935.
- SAYRE, C. B. Root development of beans, cabbage and tomatoes as affected by fertilizer placement. Amer. Soc. Hort. Sci. Proc. (1934) 32:564-571. 1935.
- SLATE, G. L. The best parents in red raspberry breeding. Amer. Soc. Hort. Sci. Proc. (1934) 32:407-410. 1935.
- SLATE, G. L. Notes on the filbert orchard at Geneva. Northern Nut Growers Assoc. Rpt. 24(1933):34-37. [1934?] (Rec'd July 1935)
- TUKEY, H. B. Artificial culture methods for isolated embryos of deciduous fruits. Amer. Soc. Hort. Sci. Proc. (1934) 32:313-322. 1935.
- TUKEY, H. B. Growth of the embryo, seed, and pericarp of the sour cherry (*Prunus cerasus*) in relation to season of fruit ripening. Amer. Soc. Hort. Sci. Proc. 31(Sup.):125-144. 1934. (Rec'd July 1935)
- WELLINGTON, R. Winter injury to grape seedlings. Amer. Soc. Hort. Sci. Proc. (1934) 32:389-391. 1935.

North Carolina

- DEARSTYNE, R. S., GREAVES, R. E., and GAUGER, H. C. The control of avian typhoid by the use of bacterins. World's Poultry Cong. Rpt. Proc. 5(1933):108-114. 1934.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Ohio

- BROWN, H. D. (With C. V. PRICE, Ohio State Univ.) Effect of irrigation, degree of maturity, and shading upon the yield and degree of cracking of tomatoes. Amer. Soc. Hort. Sci. Proc. (1934) 32:524-528. 1935.
- BROWN, H. D. Recent developments in vegetable production. Ind. State Veg. Growers' Assoc. 6:41-45. 1935.
- BUSHNELL, J. Rotations and green manures for potatoes. Ind. State Veg. Growers' Assoc. 6:27-30. 1935.
- GUI, H. L. Soil types as factors in wireworm distribution. Amer. Potato Jour. 12:107-113. May 1935.
- HOFFMAN, I. C. The influence of nitrate and ammonium nitrogen on the growth of greenhouse tomatoes in soils of different reaction. Amer. Soc. Hort. Sci. Proc. (1934) 32:541-543. 1935.
- HOWLETT, F. S. The effect of carbohydrate and of nitrogen deficiency upon the male sex cells in the tomato. Amer. Soc. Hort. Sci. Proc. (1934) 32:448-449. 1935. (Abstract)
- LAURIE, A. (With E. W. McELWEE, Ohio State Univ.) A method for studying nutrient deficiencies in greenhouse crops. Amer. Soc. Hort. Sci. Proc. (1934) 32: 617-619. 1935.
- LAURIE, A. (With E. W. McELWEE, Ohio State Univ.) Reduction of daylight period on asters. Amer. Soc. Hort. Sci. Proc. (1934) 32:615-616. 1935.
- SILVER, E. A. Preparation of feeds for cattle as it affects digestibility and absorption. Agr. Engin. 16:257-259, 270. July, 1935.

Oklahoma

- BURK, E. F. A five-year summary of fertilizer results on Irish potatoes. Amer. Soc. Hort. Sci. Proc. (1934) 32:508-509. 1935.
- CROSS, F. B., and WEBSTER, J. E. Physiological studies of uneven ripening of Concord grapes. Amer. Soc. Hort. Sci. Proc. (1934) 32:361-364. 1935.
- HAUT, I. C. (With F. E. GARDNER, U. S. Dept. Agr.) The influence of pulp disintegration upon the viability of peach seeds. Amer. Soc. Hort. Sci. Proc. (1934) 32:323-327. 1935.

Oregon

- ALDRICH, W. W., WORK, R. A., and LEWIS, M. R. Pear root concentration in relation to soil-moisture extraction in heavy clay soil. Jour. Agr. Research [U.S.] 50:975-988. June 15, 1935. (W. W. Aldrich and R. A. Work, U. S. Dept. of Agr.)
- BROWN, G. G. Bulk fruit thinning and wide spacing of Newtown apples. Amer. Soc. Hort. Sci. Proc. (1934) 32:47-49. 1935.
- HAAG, J. R., and JONES, I. R. The calcium and inorganic phosphorus content of the blood plasma of normal dairy cattle. Jour. Biol. Chem. 110:439-441. July 1935.
- STEEL, T. A., WALDO, G. F., and BROWN, W. S. Conditions affecting cold resistance in strawberries. Amer. Soc. Hort. Sci. Proc. (1934) 32:434-439. 1935. (T. A. Steel, Oreg. State Agr. Col., and G. F. Waldo, U.S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Pennsylvania

- CALLENBACH, E. W., and MURPHY, R. R. The cost of producing ringneck pheasants. Amer. Game Conf. Trans. 21(1935):204-212. 1935.
- HUNTER, J. E., KMANDEL, H. C., and DUTCHER, R. A. Factors involved in the experimental production and prevention of hock disease in battery brooded chicks. World's Poultry Cong. Rpt. Proc. 5(1933):184-189. 1934.
- MACK, W. B., and STOUT, G. J. The effect of nutrients on the water relations of tomato plants. Amer. Soc. Hort. Sci. Proc. (1934) 32:536-540. 1934.
- MACK, W. B. Methods in variety trials. Amer. Soc. Hort. Sci. Proc. (1934) 32:491-492. 1935. (Abstract)
- STOUT, G. J. Influence of watering treatment on the occurrence of blossom-end rot in greenhouse tomatoes. Amer. Soc. Hort. Sci. Proc. (1934) 32:515-518. 1935.
- SUDDS, R. H. A study of the morphological changes and the origin of roots in tip-layered Cumberland raspberry plants. Amer. Soc. Hort. Sci. Proc. (1934) 32:401-406. 1935.

Rhode Island

- CHRISTOPHER, E. P. The intensity of light striking leaves of apple trees at different times of day. Amer. Soc. Hort. Sci. Proc. (1934) 32:86-92. 1934.
- STONE, A. E. Fertilization of red raspberries: progress report. Amer. Soc. Hort. Sci. Proc. (1934) 32-400. 1935.

South Dakota

- PATTY, R. L. Determining colloids in soil for rammed earth construction. Agr. Engin. 16:275-276. July 1935.

Tennessee

- DRAIN, B. D., and SHUEY, G. A. The isolation and propagation of high pyrethrin strains of Pyrethrum. Amer. Soc. Hort. Sci. Proc. (1934) 32:190-191. 1935.
- HENRY, E. M. The germination of strawberry seeds and the technic of handling the seedlings. Amer. Soc. Hort. Sci. Proc. (1934) 32:431-433. 1935.

Texas

- HAWTHORN, L. E. Cellophane and waxed paper wrappers for storing cucumbers. Amer. Soc. Hort. Sci. Proc. (1934) 32:578-582. 1935.
- MORTENSEN, E. Strawberry runner plant production in southwest Texas. Amer. Soc. Hort. Sci. Proc. (1934) 32:424-428. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Virginia

- CARLUS, R. L. Effects of magnesium deficiency in the soil on the yield, appearance and composition of vegetable crops. Amer. Soc. Hort. Sci. Proc. (1934) 32:610-614. 1935.
- HESTER, J. B. The influence of soil acidity and soil type upon the growth and composition of the lima bean plant. Amer. Soc. Hort. Sci. Proc. (1934) 32:600-603. 1935.
- PARKER, M. M. The influence of soil reaction upon the growth of the tomato plant. Amer. Soc. Hort. Sci. Proc. (1934) 32:544-545. 1935.
- PARKER, M. M. Injurious effects of certain nitrogenous fertilizers on the growth of spinach. Amer. Soc. Hort. Sci. Proc. (1934) 32:546-548. 1935.
- ZIMMERLEY, H. H. The effect of plant spacing on the development of sweet potato storage roots. Amer. Soc. Hort. Sci. Proc. (1934) 32:494-497. May 1935.
- ZIMMERLEY, H. H. The effect of the N-P-K fertilizer ratio on the shape of the Porto Rico sweet potato. Amer. Soc. Hort. Sci. Proc. (1934) 32:498-501. 1935.

Washington

- BAKER, G. O., and VANDECAVINE, S. C. Effect of fertilizers, soil type, and certain climatic factors on the yield and composition of oats and vetch. Jour. Agr. Research [U. S.] 50:961-974. June 15, 1935.
- OVERHOLSER, E. L., and OVERLEY, F. L. The effect of spraying apple leaves with certain less used materials upon their carbon dioxide intake. Amer. Soc. Hort. Sci. Proc. (1934) 32:93-96. 1935.
- OVERLEY, F. L., and OVERHOLSER, E. L. Additional experiments on spray residue removal. Amer. Soc. Hort. Sci. Proc. (1934) 32:175-178. 1935.
- SCHWARTZ, C. D. Further observations upon the Lloyd George red raspberry as a parent in breeding. Amer. Soc. Hort. Sci. Proc. (1934) 32:411-415. 1935.
- TOLPKINS, L. E. The effects of certain fertilizers upon the carbon dioxide intake of mature Jonathan apple leaves. Amer. Soc. Hort. Sci. Proc. (1934) 32:97-100. 1935.
- YOUNG, G. W. Fish oil sprays as affecting the carbon dioxide intake by Jonathan apple leaves. Amer. Soc. Hort. Sci. Proc. (1934) 32:101-103. 1935.

West Virginia

- CHILDS, W. H. The effect of rainfall during the picking season on size and yield of certain strawberry varieties. Amer. Soc. Hort. Sci. Proc. (1934) 32:420-423. 1935.
- ORTON, C. R., and HENRY, W. D. An internal necrosis of bean seeds. Phytopathology 25:726-728. July 1935. (Note)
- VERNER, L. A simplified method of determining freezing-point depressions of apple tissue with the Beckmann apparatus. Amer. Soc. Hort. Sci. Proc. 31(Sup.):33-34. 1934. (Rec'd July 1935)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Wisconsin

- CASIDA, L. E., CHAFMAN, A. B., and RUPEL, I. W. Ovarian development in calves. Jour. Agr. Research [U. S.] 50:953-960. June 15, 1935.
- COOPER, D. C. Microsporogenesis and the development of the male gametes in *Portulaca oleracea*. Amer. Jour. Bot. 22:453-459. April 1935.
- HADLEY, F. B. Further observations on mastitis. Vet. Med. 30:357. Aug. 1935.
- HERRICK, C. A. Resistance of the oocysts of *Eimeria tenella* to incubator conditions. Poultry Sci. 14:246, 252. July 1935.
- JAAP, R. G. Gonad-stimulating potency of individual pituitaries. Poultry Sci. 14:237-246, July 1935.
- LANGORD, L. R. Cherry leaf curl and root injury. Amer. Soc. Hort. Sci. Proc. (1934) 32:252-253. 1935.
- McCLUNG, L. S., MCCOY, E., and FRED, E. B. Studies on anaerobic bacteria. II. Further extensive uses of the vegetable tissue anaerobic system. Zentbl. Bakt. [etc.] 11:225-227. Jan. 30, 1935.
- McCLUNG, L. S., and MCCOY, E. Studies on anaerobic bacteria. VIII. The agglutination reactions of *Clostridium thermosaccharolyticum*. Zentbl. Bakt. [etc.] 11:228-231. Jan. 30, 1935.
- ORCUTT, F. S., and FRED, E. B. Light intensity as an inhibiting factor in the fixation of atmospheric nitrogen by Manchou soybeans. Jour. Amer. Soc. Agron. 27:550-558. July 1935. (F. S. Orcutt, Univ. Wis.)
- PHILLIPS, P. H., HALPIN, J. G., and HART, E. B. The influence of chronic fluorine toxicosis in laying hens upon the fluorine content of the eggs and its relation to the lipid content of the egg yolk. Jour. Nutrition 10: 93-98. July 1935.
- PINCKARD, J. A. Physiological studies of several pathogenic bacteria that induce cell stimulation in plants. Jour. Agr. Research [U. S.] 50:933-952. June 15, 1935.
- ROBERTS, R. H. Leaf area and fruiting. Amer. Soc. Hort. Sci. Proc. 31: (Sup.) 32. 1934. (Rec'd July 1935)
- ROBERTS, R. H. Ring grafting and stock effect. Amer. Soc. Hort. Sci. Proc. (1934) 32:328-329. 1935.
- SUMMER, H. H. New developments in the homogenization of ice cream mix. Ice Cream Rev. 18:48, 50, 71. July 1935.

Wyoming

- BROWN, M. J. Twinning in the Hebard family. Jour. Heredity 26:115-116. March 1935.
- DRAIZE, J. H., and BEATH, O. A. Observations on the pathology of blind staggers and alkali disease. Jour. Amer. Vet. Med. Assoc. 86:753-763. June 1935.
- NELSON, A. Rocky Mountain Herbarium studies. III. The Elaeagnaceae - a monogeneric family. Amer. Jour. Bot. 22:681-683. July 1935.

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BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Advertising federation of America. Bureau of research and education. Books for the advertising man; a classified bibliography on advertising, marketing and related subjects, prepared under direction of A. T. Falk. New York, 1935.
- British museum. Dept. of printed books. A catalogue of the works of Linnaeus (and publications more immediately relating thereto) preserved in the libraries of the British museum and the British museum (Natural history) Ed. 2. London, 1933.
- Florida. Agricultural experiment station. Dept. of horticulture. A bibliography on the use of hydrocyanic acid gas as a fumigant, by R. J. Wilmot. [Gainesville?] 1935. Mimeographed.
- Graer, Sarah. A bibliography of civil service and personnel administration. New York, McGraw-Hill, 1935. (Commission of inquiry on public service personnel. Monograph 1)
- Iowa. University. Child welfare research station. Publications of the Iowa child welfare research station, 1917-1935. Iowa City, 1935. (Bulletin of the state University of Iowa. n.s. no. 767.)
- Johannson, Emil. Örtengrenska biblioteket; the Örtengren library. Stockholm, Kihlströms, 1935.
- New economics group of New York. A catalog of social credit literature. New York, 1935. Mimeographed.

U. S. Department of Agriculture

- Bureau of Agricultural Engineering.
Bibliography on development of farm machinery (a partial list of references) Compiled by Lillian Church. 1935. 8 p. (Information series no. 14 (revised)) Issued by Division of mechanical equipment. Mimeographed.
- Bureau of Chemistry and Soils.
Acids in foods. A partial list of references. Compiled by E. K. Nelson. 1935. 2 p. Issued by Food research division. Mimeographed.
- Bureau of Entomology and Plant Quarantine.
Publications of the Division of insecticide investigations for period September 1934 to June 30, 1935. 2 p. Mimeographed.
- Forest Service.
Publications, articles, and mimeographs prepared by the staff of the Central states forest experiment station, Columbus, Ohio, July 1, 1935. 9 p. Issued by Branch of research. Mimeographed.

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LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1935 *

Arizona

- Poultry diseases in Arizona. H. Embleton and others. (Ariz. Agr. Col. Ext. Circ. 84.) Tucson, 1935.
Green feeds and green feed substitutes for Arizona poultry. C. F. Rowe. (Ariz. Agr. Col. Ext. Circ. 85.) Tucson, 1935.

California

- Growing and handling sweet potatoes in California. D. R. Porter. (Calif. Agr. Col. Ext. Circ. 55, rev.) Berkeley, 1935.

Florida

- Growing healthy chicks and pullets. N. R. Mehrhof and M. W. Emmel. (Fla. Univ. Agr. Ext. Bul. 79.) Gainesville, 1935.
Revision of Bul. 66.
The home garden. F. S. Jamison. (Fla. Univ. Agr. Ext. Bul. 80.) Gainesville, 1935.
Announcement and rules, tenth Florida national egg-laying contest, October 1, 1935 to September 22, 1936, Chipley, Florida. (Fla. Univ. Agr. Ext. Serv. [unnumbered]) Gainesville [1935]
1934 report cooperative extension work in agriculture and home economics. Report of general activities for 1934 with financial statement for the fiscal year ending June 30, 1934. W. Nowell. (Fla. Univ. Agr. Ext. Serv. [unnumbered]) Gainesville [1935]

Georgia

- 4-H club handbook for leaders and sponsors. A. S. Bussey and L. Turner. (Ga. Agr. Col. Ext. Bul. 450.) Athens, 1935.
References, p. 47-48.
Culling and the selection of high egg producers. A. Gannon. (Ga. Agr. Col. Ext. Bul. 451.) Athens, 1935.

Illinois

- Brucellosis in swine (Traum's disease or infectious abortion) R. Graham and V. M. Michael. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 435.) Urbana, 1935.
White snakeroot poisoning. R. Graham and V. M. Michael. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 436.) Urbana, 1935.
Saving garden crops from insect injury. L. E. Shropshire and C. C. Compton. (Ill. Agr. Col. Agr. Expt. Sta. and Ext. Serv. Circ. 437.) Urbana, 1935.

*Prepared in Office of Experiment Stations Library.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1935 (Cont.)

Maryland

Quality eggs from producer to consumer. W. H. Rice. (Md. Univ. [Agr.] Ext. Circ. 111.) College Park, 1935.

Massachusetts

Killing weeds with chemicals. O. L. Clark. (Mass. State Col. Ext. Leaflet 78 [rev.]) Amherst, 1935.

Minnesota

Tidy farmsteads add to the joys of home life, to the beauty of one's community, and to farm values. H. B. White. (Minn. Univ. Agr. Ext. Folder 53.) University Farm, St. Paul, 1935.

Picking, handling, and packing fruits for market. J. D. Winter and others. (Minn. Univ. Agr. Ext. Spec. Bul. 169.) University Farm, St. Paul, 1935.

The Minnesota farm home building program. H. B. White. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 39.) University Farm, St. Paul, 1935.

Control of summer frosts on peat lands. O. W. Howe. (Minn. Univ. Agr. Ext., Agr. Engin. News Letter no. 40.) University Farm, St. Paul, 1935.

Missouri

Temporary silos. G. E. Martin. (Mo. Agr. Col. Ext. Circ. 327.) Columbia, 1935.

The 4-H potato club. J. W. C. Anderson and T. T. Martin. (Mo. Agr. Col. Ext., 4-H Club Circ. 5, rev.) Columbia, 1935.

The 4-H soil conservation I club. O. T. Coleman and T. T. Martin. (Mo. Agr. Col. Ext. 4-H Club Circ. [unnumbered]) Columbia, 1935.

References, p. 30.

New Hampshire

Living conditions in New Hampshire farm homes. D. D. Williamson and F. M. Miller. (N. H. Univ. [Agr.] Ext. Circ. 169.) Durham, 1935.

New Jersey

Why children disobey. E. D. Dixon and others. (N. J. Agr. Col. Ext. Bul. 154.) New Brunswick, 1935.

References, p. 2.

Early training toward truthfulness. E. D. Dixon and others. (N. J. Agr. Col. Ext. Bul. 155.) New Brunswick, 1935.

References, p. 2.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1935 (Cont.)

New Jersey (Cont.)

- Why children differ. E. D. Dixon and others. (N. J. Agr. Col. Ext. Bul. 156.) New Brunswick, 1935.
References, p. 2.
- Children's friendships. E. D. Dixon and others. (N. J. Agr. Col. Ext. Bul. 157.) New Brunswick, 1935.
References, p. 2.
- Your family's leisure time. E. D. Dixon and others. (N. J. Agr. Col. Ext. Bul. 158.) New Brunswick, 1935.
References, p. 2.
- Selecting toys wisely. E. D. Dixon and others. (N. J. Agr. Col. Ext. Bul. 159.) New Brunswick, 1935.
References, p. 2.

New York

- The fur-bearers of New York in their relation to agriculture. W. J. Hamilton, jr. (N. Y. Agr. Col. (Cornell) Ext. Bul. 319.) Ithaca, 1935.
References, p. 25.
- Peat and muck, character and utilization. B. D. Wilson. (N. Y. Agr. Col. (Cornell) Ext. Bul. 320.) Ithaca, 1935.
- Homemade cheeses, unripened varieties, cottage, cream, Neufchatel. W. E. Ayres. (N. Y. Agr. Col. (Cornell) Ext. Bul. 322.) Ithaca, 1935.

North Carolina

- Chair caning. L. M. Wilson and N. Workman. (N. C. Agr. Col. Ext. Circ. 206.) State College Station, Raleigh, 1935.
Reprint of Iowa Agr. Col. Ext. Home Furnishing Booklet [unnumbered]

North Dakota

- Testing gravel for farm concrete construction. H. F. McColly. (N. Dak. Agr. Col. Ext. Circ. 129.) State College Station, Fargo, 1935.
- Maintaining health and vitality of chicks. O. A. Barton. (N. Dak. Agr. Col. Ext. Circ. 130.) State College Station, Fargo, 1935.
Reference, p. 8.

Oregon

- Home food preservation. Canning, drying, salting, smoking, storing. (Oreg. Agr. Col. Ext. Bul. 479.) Corvallis, 1935.
References, p. 40.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1935. (Cont.)

South Carolina

Origins and objectives of agricultural extension work. A. F. Lever.
(Clemson Agr. Col., S. C., Ext. Circ. 143.) Clemson, 1935.

Texas

On Texas farms and ranches under the new deal. Official 1934 report of the Extension Service. (Texas Agr. Col., Ext. Serv. Farm News, v. 21, no. 9.) June 1935.

Utah

Measurement of irrigation water. G. D. Clyde. (Utah Agr. Col. Ext. New Ser. Circ. 69.) Logan, 1935.
Methods of organizing and conducting boys' and girls' 4-H clubs in Utah. (Utah Agr. Col. Ext. New Ser. Circ. 70.) Logan, 1935.
The school lunch. (A phase of child nutrition.) E. Miller. (Utah Agr. Col. Ext. New Ser. Circ. 73.) Logan, 1935.
Fiber identification. A guide to buying. E. Agren. (Utah Agr. Col. Ext. New Ser. Circ. 78.) Logan, 1935.
Home use of color. E. S. Barrows. (Utah Agr. Col. Ext. New Ser. Circ. 79.) Logan, 1935.
Adequate lunches for school children. E. Miller. (Utah Agr. Col. Ext. New Ser. Circ. 80.) Logan, 1935.

Virginia

A useful chart for teaching the relation of soil reaction to the availability of plant nutrients to crops. N. A. Pettinger. (Va. Agr. Col. Ext. Bul. 136.) Blacksburg, 1935.

Washington

Control of damping-off. F. D. Heald. (Wash. State Col. Ext. Bul. 205.) Pullman, 1935.
4-H canning and food preservation club, third and fourth years. R. Russell. (Wash. State Col. Ext. 4-H Club Circ. 38.) Pullman, 1935.
4-H club judging. (Agriculture and home economics) H. M. Walker and M. E. White. (Wash. State Col. Ext. 4-H Club Circ. 39.) Pullman, 1935.

West Virginia

Facing facts in the community. G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. III, Lesson no. 8, Adventures in Better Living.) Morgantown [1935]

Wisconsin

Do we need a dairy program? (Wis. Agr. Col. Ext. Spec. Circ. Econ. Inform. for Wis. Farmers v. 6, nos. 4 and 5.) Madison, 1935.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture,
received during July 1935, exclusive of bibliographies*
and current issues of serial.**

Office of the Secretary

Farmers and consumers. Abstract of talk by Mordecai Ezekiel., Chautauqua, N. Y.
Aug. 1, 1935. 4 p.

In search of new frontiers. Address of Henry A. Wallace at the biennial convention of the National federation of business and professional women's clubs, Seattle, Washington, July 18, 1935. 16 p.

Preliminary report of the forum and discussion group project, United States Department of agriculture, 1934-35. 1935. 27 p.

Remarks of Henry A. Wallace at a meeting of Colorado farm organizations, Greeley, Colorado, July 13, 1935. 10 p.

Agricultural Adjustment Administration

Experience in milk marketing control in the greater Boston market. Talk given by Samuel W. Tator at Northeastern dairy conference meeting, Boston, June 25, 1935. 7 p.

The legal status of milk control by the Agricultural adjustment administration. Talk given by Elmer D. Hays at Northeastern dairy conference meeting, Boston, Mass., June 25, 1935. 7 p.

The northeast and the nation's agriculture. Address prepared by Chester C. Davis to be delivered before the Northeastern Dairy conference in Boston, on June 25, 1935. 13 p. Address delivered for Mr. Davis by Jesse W. Tapp.

Progress made in the land use adjustments in the Lake states by state and federal agencies other than the United States forest service. By R. I. Nowell. 1935. 29 p. A paper read before the Land problems and planning conference, Chicago, Ill., June 6, 1935.

Summary and analysis of amendments to the Agricultural adjustment act (H.R.8492) 1935. 21 p.

Bureau of Agricultural Economics

Baggings used for covering American cotton bales. By J. W. Wright. A preliminary report. 1935. 22 p. (Issued by Division of cotton marketing)

A brief review of the Mississippi vegetable season of 1935. 1935. 5 p.

Cost of production of asparagus. Data from studies in 4 states, selected years, 1914-33. Compiled from official sources by H. W. Hawthorne. 1935. 10 p.
(Issued by Division of farm management and costs)

*Bibliographies included in general list of bibliographies on page 334.

**For a list of the principal series issued regularly, see v. 9, no. 10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (Continued)

- Cost of production of cabbage. Data from studies in 9 states, selected years, 1913-33. Compiled from official sources by H. W. Hawthorne. 1935. 19 p.
(Issued by Division of farm management and cost)
- Cost of production of fresh beans. Data from studies in 7 states selected years, 1915-33. Compiled from official sources by H. W. Hawthorne. 1935. 15 p.
(Issued by Division of farm management and cost)
- Florida citrus tree survey. By S. R. Newell. A preliminary report. 1935. 42 p.
(Issued by Division of crop and livestock estimates)
- The food situation - 1935. 5 p.
- Harvesting in the big wheat belt, 1935; other farm work. 1935. 2 p.
- Index numbers of prices paid by farmers for commodities, 1910-1935. 28 p. (Issued by Division of statistical and historical research)
- Index numbers of prices paid by farmers for commodities bought for family maintenance and for commodities bought to be used in production, June 28, 1935. 1 p.
issued by Division of statistical and historical research and Division of crop and livestock estimates)
- Manufactured dairy products situation (tables and charts) By E. E. Vial. Presented at the American institute of cooperation, Ithaca, New York, July 15, 1935. 10 p. (Issued by Division of statistical and historical research)
- Marketing Colorado, Nebraska and Wyoming potatoes; summary of 1934-35 season. By Bryce Morris. 1935. 19 p.
- Marketing Texas citrus, lower Rio Grande valley of Texas. Brief review of the 1934-35 season. By W. D. Googe. 1935. 22 p. (In cooperation with Texas department of agriculture, Markets and warehouse division)
- Milk: supply and distribution of milk in the United States, 1924-1934. 1935. 1 p. (Issued by Division of dairy and poultry products)
- Monthly receipts from the sale of principal farm products, by states, with rental and benefit payments, January 1929 to December 1934. May 1935. Prepared by C. M. Purves and Nathan Koffsky. 1935. 125 p. (Prepared for the Committee on monthly farm income)
- Official standards for beans. Revised effective August 1, 1935. 1935. 12 p. (HFS -1662)
- Official standards for soybeans. Effective Sept. 3, 1935. 3 p. (HFS-1663)
- Preliminary review of the 1934 Eastern shore strawberry season. 1935. 4 p.
(Issued in cooperation with Virginia department of agriculture)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (Continued)

- The problem of character standardization in American raw cotton. By Carl M. Conrad and Robert W. Webb. A preliminary report. 1935. 19 p. (Issued by Division of cotton marketing)
- Review of the 1935 Imperial valley carrot season. By A. E. Prugh and H. A. Anderson. 9 p. (In cooperation with California department of agriculture, Market news service)
- Supplement to the Kaw valley, Kans., Orrick district, Mo., Arkansas and Oklahoma, potato summary for 1934, showing destinations reported for 1934, compared with former seasons. 1935. 10 p.
- Tax delinquency of rural real estate in 15 Ohio counties, 1928-32. 1935. 11 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 15 Oklahoma counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 17 South Dakota counties, 1928-33. 1935. 13 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 16 Arkansas counties, 1927-33. 1935. 13 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in four Arizona counties, 1928-33. 1935. 13 p. (Issued by Division of agricultural finance)
- Tentative United States standards for grades of canned mushrooms. (Effective June 26, 1935) 8 p.
- Tentative United States standards for grades of canned peaches (yellow clingstone) (Effective June 24, 1935) 1935. 12 p.
- United States standards for grades for farm products as identified for consumers. 1935. 7 p.

Bureau of Animal Industry

- Brewery, distillery, vinegar, and yeast by-products for feeding livestock. By A. T. Semple and J. B. Shepherd. Revised July 9, 1935. 9 p. (A.H.D. mimeograph no. 1) (Issued by Animal husbandry division)
- A synthetic medium for B. Tuberculosis with a description of the method of producing tuberculin. By M. Dorset and R. R. Henley. 1934. 4 p.

Bureau of Biological Survey

- Fur resources - the stepchild of conservation. An address by Frank G. Ashbrook, at the 6th annual national retail furrier convention and trade ex-

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Biological Survey (Continued)

position, held at Buffalo, N.Y., July 3,4,5,6, 1935. 4 p. (Issued by Division of wildlife research)

The present plight of the Jackson Hole elk. By H. P. Sheldon, Olaus J. Marie, and W. E. Crouch. July 1935. 4 p. (Wildlife research and management leaflet, BS-12)

Summary of migratory waterfowl killed during the 1934-35 season under permits to shoot migratory waterfowl on premises where bait or feed was employed. 1935.1 p.

Bureau of Entomology and Plant Quarantine

Dried fruit fumigation. By Perez Simmons, Dwight F. Barnes, Charles K. Fisher and Heber C. Donohoe and Charles D. Fisher. 1935. 15 p. (E-353)

Mass rearing cages. By E. J. Udine. 1935. 3 p. (ET-58) (Issued by Division of cereal and forage insect investigations)

White-pine blister-rust control. By Lawrence B. Ritter. 1935. 6 p. (Issued in cooperation with Minnesota department of conservation. Division of forestry)

Extension Service

Report of the delegates' conferences, ninth national 4-H club camp, Washington, D. C., June 13-19, 1935. v.p. (Issued by Division of cooperative extension)

Who's who at the national boys' and girls' 4-H club camp. 1935. 36 p.

Food and Drug Administration

Testing dried out fruits. By B. J. Howard. 1935. 16 p. (Publication no. 4) (Issued by Microanalytical division)

Forest Service

Black locust planting for erosion control. By L. F. Kellogg. Revised May 15, 1935. 6 p. (Central states forest experiment station. Station note no. 3)

Collection of black locust seed. By John G. Kuenzel. Revised May 15, 1935. 2 p. (Central states forest experiment station. Station note no. 1)

The dying of beech in 1934. By Perley Spaulding and J. R. Hansbrough. 1935. 2 p. (Northeastern forest experiment station. Technical note 20)

The effect of forest burning and pasturing in the Ozarks on the water absorption of forest soils. By John T. Auten. 1934. 5 p. (Central states forest experiment station. Station note no. 16)

The effect of woodland grazing on certain site factors in the lak- hickory type. By Oliver D. Diller. 1935. 4 p. (Central states forest experiment station. Station note no. 24)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service (Continued)

Forestry facts for young folks. 1935. 22 p.

The influence of degree of cutting on the survival and early growth of chestnut oak seedlings. By John G. Kuenzel. 1935. 3 p. (Central states forest experiment station. Station note. no. 23)

Observations on the nursery development of shortleaf pine seedlings. By A. G. Chapman. 1935. 5 p. (Central states forest experiment station. Station note no. 22)

Prevention of damage to round-edged white pine lumber by wood-boring insects. By H. J. MacAloney. 1935. 2 p.

The relation of stump height to the sprouting of hop hornbeam in northern Indiana. By O. D. Diller. 1935. 3 p. (Central states forest experiment station. Station note no. 25)

Site requirements of black locust. By John T. Auten. Revised May 15, 1935. 4p. (Central states forest experiment station. Station note no. 4)

Suggestions for weeding in northern hardwoods. By Victor S. Jensen. 1935. 6 p. (Northeastern forest experiment station. Occasional paper no. 3)

Writing for publications. By S. F. Tillman. 1935. 33 p. (Issued by Intermountain forest and range experiment station)

Grain Futures Administration

Relationship between daily price range and net price change, opening to close, of the dominant corn future and the daily volume of trading in corn futures on the Chicago board of trade. By Paul Mehl. 1935. 8 p.

Bureau of Home Economics

Cooking for twenty-five. By Fanny Walker Yeatman. 1935. 31 p.

Bureau of Plant Industry

Diseases of bearded iris. By Lucia McCulloch. 1935. 4 p. (Issued by Division of fruit and vegetable crops and diseases)

Organizations dealing with the handling and merchandising of horticultural products in the United States and Canada. Compiled by Magdalene R. Newman, Division of Fruit and Vegetable Crops and Diseases. 1935. 13 p.

Suggestions for freezing foods are outlined. By H. C. Diehl, W. T. Pentzer, J. A. Berry and C. E. Asbury. 1935. 30 p. (Issued by Division of fruit and vegetable crops and diseases)

Seed list; a list of forage plant seeds and the incidental seeds commonly found with them. 1935. 32 p. Issued by Division of seed investigations.

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INTERNATIONAL COLLABORATION OF THE AGRICULTURAL LIBRARIES OF DIFFERENT COUNTRIES*

By Dr. Sigmund von Frauendorfer
Librarian of the International Institute of Agriculture

The role of the library as an important factor in agricultural education and as a fundamental aid in scientific research has not always been sufficiently appreciated. Too often we still hold the view that prevailed in the past that libraries are meant exclusively for the preservation of books, and that their use is the privilege of a restricted class of men of science and technicians, and that the general public has nothing to look for in a library. Today this point of view has no longer any reason to exist. The conception of the library as a storehouse for large numbers of books, dead and covered with dust, has been supplanted by another conception, more modern, broader, and more liberal. It is the idea of service that has made a place for itself in the libraries, public and scientific alike. A library that is not used by a maximum number of readers is looked upon as an organization of limited efficiency. A library that does not make every effort to make documentary research easier for its clientele by means of catalogues and other indexes is not considered a modern institution. Large libraries have learned that it is their duty to engage in bibliographic activity, that is, to provide the key to hidden literary knowledge, by summarizing reviews, examining secondary material (pamphlets, abstracts, theses, etc.), and publishing at regular intervals lists of new books received in the library.

In developing these new activities libraries have necessarily come to realize the necessity of cooperation in order to attain their maximum utility. In almost all countries professional organizations have been established with a national character, and they in turn have been united in an International Federation of Librarians' Associations. However, this vertical grouping of national organizations does not seem to be sufficient to develop a perfect system of cooperation. It seems logical that specialized libraries should seek to establish direct contacts among themselves even beyond the limits of national frontiers.

Let us take for example agricultural libraries. There are certainly in all countries good libraries that specialize in that subject. Often there is a well-stocked agricultural library that functions as a national library in this field. In certain countries (the United States, for example) it is the Library of the Department of Agriculture which plays the part of a national centre. In other countries, as in the Netherlands, it is a school of advanced agricultural studies, an agricultural academy, as in Czechoslovakia, or a private organization. In addition to the central agricultural

*Report prepared for presentation to the International Agricultural Press Congress in Brussels. (Translated from *La Technique Agricole Internationale* 5(1): 65-69. Jan.-Mar. 1935, by A. N. Hannay, Bureau of Agricultural Economics Library, U.S. Department of Agriculture)

INTERNATIONAL COLLABORATION OF THE AGRICULTURAL LIBRARIES
OF DIFFERENT COUNTRIES
(Continued)

library there are, in the important countries at least, other agricultural libraries affiliated with different institutions, associations, and other organizations dealing with agriculture. It would seem natural that the agricultural libraries of any one country should be in close contact with each other and that they should have succeeded in establishing a productive system of collaboration. But I fear that that is not the case in all countries. The idea of cooperation among special libraries, even within the limits of a national group, has not been adopted in its entirety in all countries, as would seem logical and natural. Certain countries, I am sure, are still far from recognizing the necessity of having, in addition, to the large general libraries, at least one central library specializing in agriculture. In other countries, on the other hand, in which there are numerous agricultural libraries a national grouping of agricultural libraries took place long ago. In the United States, for instance, an Agricultural Library Section was established in 1911 within the great professional organization of librarians (American Library Association). The productive activity of this section which meets at least once a year is due in large measure to the librarian of the Department of Agriculture in Washington, Miss Claribel R. Barnett. The reports of the discussions of this section, published in the Proceedings of the Conferences of the American Library Association (A.L.A. Bulletin) show very clearly the practical utility of close collaboration of the agricultural libraries. There is even a periodical, Agricultural Library Notes, published in Washington, the aim of which is to intensify the contacts of the American agricultural libraries.

What is possible in one country should be capable of realization in the international sphere also. There are certainly numerous possibilities of cooperation among the agricultural libraries of the different countries. Without going into details a summary of desiderata for interlibrary activity is presented as follows:

Provisional program of activity of an international group of agricultural libraries.

A. - Publications.

1. International list of libraries specializing in agriculture, including research centres and special collections in large general libraries.
2. Complete international list of agricultural periodicals.
3. Index of bibliographical sources in the field of agriculture (Bibliographies in monograph form, current bibliographies, "abstracting journals", and other reviews containing a regular bibliographic section, etc.)

INTERNATIONAL COLLABORATION OF THE AGRICULTURAL LIBRARIES
OF DIFFERENT COUNTRIES
(continued)

4. A manual for the unification of cataloguing and classifying rules, of abbreviations of titles of periodicals, of citations of titles, and other technical library and bibliographical details.
5. A bulletin issued periodically containing information of international interest for agricultural libraries.
6. Periodical publication of an international agricultural bibliography containing not only titles of books but also periodical articles of all countries.

B. - Working tools in the international centre.

1. A union catalogue including not only the books in the central library, but also those in the agricultural libraries of the different countries.
2. A bibliographical index containing titles of articles abstracted from journals and reviews. (Cf. A.6)
3. Agricultural archives containing clippings from the daily press, commercial catalogues, illustrated material (photographs, etc.) and other documentary material, exclusive of books.

C. - Interlibrary Aid.

1. An international library loan system for books not in the libraries of a certain country.
2. Exchange of duplicates (books, pamphlets, and periodicals.)
3. International coordination of agricultural bibliographic activity.
4. A cooperative catalogue.
5. Cooperative selection of books. Lists of the best agricultural publications of the different countries to facilitate selection in foreign libraries.
6. International coordination of agricultural bibliographic activity. (Cf. A.6)

INTERNATIONAL COLLABORATION OF THE AGRICULTURAL LIBRARIES
OF DIFFERENT COUNTRIES
(continued)

In this program I refer to an international centre which would function as a sort of clearing house in the domain of agricultural library economy. Agriculture has one advantage, which is not shared by the other sciences, in its possession in the 30-year old International Institute of Agriculture of an international organization of countries well established and very active.

The Institute has an agricultural library of the first importance. It has a total of almost 280,000 books in all languages, and it receives currently more than 3,000 periodicals. This library, which has recently been moved into a new building affording space for future growth, would seem to be the logical body to serve as a centre of international coordination of the agricultural libraries of the different countries.

In order to start as quickly as possible this activity of collaboration which I have briefly summarized, it is proposed to establish an International Committee of Agricultural Librarians at the meeting of the First International Agricultural Press Congress in Brussels on July 26 and 27, 1935. Practical considerations make it desirable that this committee be placed under the auspices of the International Federation of Technical Agriculturists. This committee will also be in contact with the International Federation of Associations of Librarians, so that there will probably be a double affiliation with the international professional organization of librarians and that of technical agriculturists. The participation of librarians and others interested in bibliographical problems in the Congress of Brussels will be of the greatest utility and importance.

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THE INTERNATIONAL MEETING OF AGRICULTURAL LIBRARIANS

At the international meeting of agricultural librarians held in connection with the International Congress of the Agricultural Press, Brussels, Belgium, July 26-27, 1935, the librarians of the United States were represented by Mr. V. A. Schaefer of the University of Michigan Library staff, who is now on temporary detail to the Library of the International Institute of Agriculture, Rome, Italy. Dr. A. G. McCall, Chief of the Division of Soil Investigations, Bureau of Chemistry and Soils, U. S. Department of Agriculture, who represented the Department of Agriculture at the Chemical Congress in Brussels in July, consented to act as delegate from the Library of the Department of Agriculture at the meeting of agricultural librarians.

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BOOKS AND THE FARMER

By Sir E. John Russell, Director, Rothamsted Experimental Station

(Instalment 2*)

We turn now to books on agriculture: an immense number from which all but the largest libraries must make a strict selection. A specialised library will, of course, choose its own line, but there is a central core of books that should be possessed by all libraries intended to help the farmer and the agricultural expert.

The basis of the selection should be by countries, and within each country by historical periods; within each period by subjects. The justification for this arrangement is that agriculture is far more intimately associated with the life of the people than any other industry: it dominates the whole of the activities of the countryside and the outlook of all who dwell there. It is impossible to dissociate the great movements in country life from the great changes in agriculture. Moreover the time element plays a determining part in agriculture: the processes are governed by Nature and not by man, and you cannot hurry Nature's pace nor speed up the cycle of the seasons. Seed time, harvest time, lambing time, all these are set by Nature: we can make only minor changes.

As the guide both to the history of farming and to its literature I put first on the list Lord Ernle's *British Farming Past and Present*: by far the most complete history of the British countryside yet published. Among the shorter histories Mrs. M. E. Seebohm's *Evolution of the English Farm* (1927) is one of the most readable; being well annotated it is also a good guide for further study. Curtler's *Short History of English Agriculture* (1909) is another good book for the student.** But you should also try to secure a few of the old books themselves, for they give character and dignity to a library. For students' use good modern editions should be obtained where available.

Agriculture was one of the first arts to be practised but one of the last to be written about: classical writers, excepting only Virgil, were content to extol it without descending to detailed description. But there were some good Roman writers on agriculture and you should secure translations of Varro and especially of Columella, for the Roman practices they describe passed into France and Flanders and thence some of them came to England. Throughout medieval times these *Re Rustica* writers, as they are generally called, were preserved, and they were in great favour when printing first began: the Rothamsted library possesses no fewer than twenty editions between the years 1472 and 1598, and this represents only a fraction of the output. The books were paraphrased at the end of the thirteenth century by Petrus Crescentius, a senator of Bologna; his work was copied in the days of manuscripts and printed in 1471 at Augsburg by Schussler; the first book on agriculture to be issued from any press. The Rothamsted library possesses a perfect copy, and it is not only the first but, to my mind, one of the most beautiful editions ever printed on agriculture. It was very popular and lived longer than any book since published: our library contains no fewer than twenty-six editions

*Instalment 1 appeared in the July 1935 issue of *Agricultural Library Notes*.

**For books on the economics of the countryside the *List of Studies in Economic and Political Science* of the London School of Economics should be consulted.

BOOKS AND THE FARMER
(continued)

between 1471 and 1805, many of them folios beautifully executed. Curiously enough no English edition ever appeared, but a three-volume edition was issued at Milan in 1805 and is still sometimes obtainable.

English writers on agriculture seem to have owed but little to the Roman writers or to Crescentius, but they, too, were slow in starting, and it was not till fifty-two years after Caxton set up his press that the first book on agriculture appeared here.* It was Fitz Herbert's Boke of Husbandry (1523, but the more usual edition is 1534), one of the raciest and most typically English text-books ever written. The Early English Text Society reprinted it some fifty years ago (1882) and this edition should be secured if possible. But the language is somewhat archaic and country readers may not easily follow it.

It was during Elizabeth's reign that agricultural writers first got really busy in England and these authors are quite easy to read, though, in general, they lack both the brilliancy and the dignity characteristic of their time. They could, however, hardly manage to be dull, and even the printers' announcements were impressive. I always like the colophon used by John Wight (1578) in Heresbach's Foure Bookes of Husbandry. "Imprinted at London for John Wight, dwelling in Paules Church-yarde, at the great North doore of Paules." Then came a duller period under the first Stuarts: the Star Chamber imposed restrictions on printing and, till its abolition in 1641, few agricultural books were published excepting only reprints of Gervase Markham - a writer that we find tedious although his great popularity with his contemporaries is shown by the large number of editions through which his books passed, and the well-worn and thumbed condition of the volumes left over to us. Then came the civil wars of 1642 to 1649 when again few agricultural books were written. Immediately afterwards, however, with the more settled form of government the flow started, and it began with two writers, Blith and Hartlib, whose works can still often be found in second-hand bookshops and should be obtained if possible. Blith (*The English Improver*, 1649) was one of the first of the new improvers and Hartlib an enterprising person who published other people's manuscript or letters without revealing their names and so obtained a good deal of credit that was not properly his. If possible you should get his *Discourse of Husbandry* (1650) - a rather scarce little book, or better still and more easily obtainable, his *Legacie of Husbandry* (1651). Both were written by Sir Richard Weston, a royalist refugee in Flanders, who relates how he saw there such crops and such grass, "so good to feed all sorts of Cattell, as the best meadows in the Countrie do not yield the like," which set him reflecting "what an huge improvement I might make of my own Estate if God almightie pleased to permit me quietly to enioie it": unfortunately for British agriculture this was not to be. Again comes a period which is blank for the general reader, though interesting to the student because enclosure was gradually proceeding and the necessary agricultural changes were being worked out. The scholarly-minded lover of woods and gardens will enjoy John Evelyn's *Silva* (1664) which Arthur Doubleday and Co. recently reprinted in two attractive volumes. If possible you should get a Mortimer; his *Whole Arte of Husbandry* (1707) is one of the classics of agricultural literature, and if you live near the Chilterns get William Ellis, *Chiltern and Vale Farming* (1733)

*Curiously enough, Walter of Henley's book, famous in the thirteenth and fourteenth centuries, was not printed till 1890.

BOOKS AND THE FARMER (continued)

or *The Modern Husbandman* (1731); but you should in any case try to obtain *Jethro Tull, Horse-hoeing Husbandry* (1731) - for choice get Cobbett's edition (1822 or 1829) because of the spicy preface: it gives a good picture of the farming outlook in those early eighteenth century days. The next fifty years produced little of direct agricultural interest: the patron still dominated literary effort and, during most of the eighteenth century, men with a gift for writing did not use their talent for agriculture.

There were, of course, diarists and letter writers, and one of these gives an excellent account of the details of daily life in the country: the Rev. James Woodforde's *Diary of a Country Parson, 1758-1781* (Oxford University Press, 1924 onwards). Here are one or two typical entries: "Aug. 17th 1788. Begun shearing my Wheat this morning and gave the shearers according to the Norfolk custom as under: a good breakfast, at 11 o'clock plumb cakes with caraway seeds in them, and some liquor, a good dinner with plumb Puddings and at 4 Beer again... Will brewed this morning a barrel of Ale before he went shearing Wheat at 12 o'clock..."

Listen to this as a cure for ague - then very common in the countryside: "May 22nd 1779. My boy Jack had another touch of the Ague about noon. I gave him a dram of gin at the beginning of the fit and pushed him headlong into one of my Ponds and ordered him to bed immediately and he was better after it and had nothing of the cold fit after, but was very hot." To some farmer friends he gave this dinner: "Nov. 20th 1799. A fine Rump of Beef boiled, 4 fowls boiled and Bacon, a fine neck of Pork roasted, and quantities of plum puddings. Wine, Rum and Beer as much as they would. There was drunk 3 Bottles of Wine, of Rum 5 bottles. Sister Clarke and Nancy dined by themselves in the study."

Agriculture itself, however, made great strides from the middle of the century onwards. The experiments of Townshend and of Coke in Norfolk, and those of the Edinburgh Society in Scotland, provided a stimulus. The king himself was the great patron and before long Arthur Young was able to write: "The farming tribe is now made up of all ranks, from a duke to an apprentice." Once more agricultural writings were slow to appear, but towards the end of the eighteenth century the flood of writing began and has never since ceased. Among the early productions was one of the world's classics: Gilbert White's *Natural History of Selborne* (1789), of which you should have an attractive, well-illustrated edition so as to induce readers to take it. After this comes the spate. One of the great enterprises of the time was the survey by the Board of Agriculture, then first established, of the agriculture of Great Britain; this was done by counties and you should certainly have the survey of your own and, if possible, of your neighboring counties. There were two editions: the early quartos (1793 and 1794) and the later octavos (1796-1813); on the whole the latter are more suitable and are also more easily obtained. The map, however, should be included: many copies have lost them. In this period comes Arthur Young, one of the greatest figures in agricultural literature, who could observe carefully and set down faithfully what he saw in crisp lucid English which makes even his technical passages easy to read. Even on the shortest of lists of agricultural books he must find a place. Chief among his works are his travels in England and Wales: first in the south (1768), then in the north (1770), and then in the east (1771); afterwards to Ireland and France. All these have been recently reprinted in whole or in

BOOKS AND THE FARMER
(continued)

part so that copies are easily obtainable: the French tours by G. Bell and Sons, selections from the Irish tours by the Cambridge University Press, and the English tours by the London School of Economics. William Marshall belongs to this period, but is less interesting and would be included in the list only for local reasons, if at all.*

It is hardly necessary to delay over the nineteenth century agricultural writers: some of them possess considerable technical merit, but they do not come up to the standard of the nineteenth century farming. Agriculture suffers from the difficulty that its writers have usually been poor practitioners. Arthur Young is the outstanding example; he is almost unequalled as an agricultural writer yet he failed when he tried himself to farm. He knew it: "My Mother," he says in his Autobiography, "proposed that I should take a farm. I had no more idea of farming than of physic or divinity... And the circumstance which perhaps of all others in my life I most deeply regretted and considered as a sin of the blackest dye, was the publishing the result of my experience during those four years (1763-1766) which, speaking as a farmer, was nothing but ignorance, folly, presumption, and rascality." (He is here referring to the Farmer's Letters to the People of England, 1767) Two publications cover all that is usually wanted in regard to the nineteenth century: both are mines of valuable and interesting information: Morton's Cyclopaedia of Agriculture, and the Journal of the Royal Agricultural Society of England.

(To be concluded in the September issue)

*The London School of Economics has published a useful Bibliography of Travellers' Descriptions of England and Wales.

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PRINCIPAL LIBRARY ACCESSIONS

Agricultural Extension

MORGAN, B. A history of the Extension service of Iowa state college. Ames, Ia., Collegiate press, 1934.

Agriculture

KAINS, M. G. Five acres; a practical guide to the selection and management of the small farm. New York, Greenberg, 1935.

NEW JERSEY. DEPT. OF AGRICULTURE. New Jersey, the garden state. Trenton, 1935.

SINDACATO NAZIONALE FASCISTA TECNICI AGRICOLI. I^o Consiglio nazionale e V^o Congresso nazionale, Roma, 1931. Roma, 1932.

Agriculture. Economic aspects

GANGULEE, N. N. The Indian peasant and his environment (The Linlithgow commission and after) London, Oxford university press, 1935.

GT. BRIT. STANDARD PRICE COMMITTEE. Wheat act, 1932. London, 1935.
(Parliament. Papers by command. Cmd. 4932)

HOLDEN, W. C. The Spur ranch; a study of the inclosed ranch phase of the cattle industry in Texas. Boston, Christopher, 1934.

JOHNSON, C. S. Shadow of the plantation. Chicago, Univ. of Chicago press, 1934.

SCOTLAND. DEPT. OF AGRICULTURE. An economic survey of small holdings in Scotland, 1934. Edinburgh, 1935. Mimeographed.

Botany

BAUHIN, K. Catalogus plantarum circa Basileam sponte nascentium. Basileae, typis J. J. Genathii, 1622.

BLOMQUIST, H. L. Ferns of North Carolina. Durham, Duke university press, 1934.

JORMON, C. Wild flowers of Louisiana. Including most of the herbaceous wild flowers of the Gulf states. Garden City, N. Y., Doubleday, Doran, 1934.

FINK, B. The lichen flora of the United States. Ann Arbor, University of Michigan press, 1935.

GLEASON, H. A. Plants of the vicinity of New York. New York, New York Botanical garden, 1935.

HASKINS, L. L. Wild flowers of the Pacific coast. Portland, Ore., Metropolitan press, 1934.

KING, J. Talking leaves. Cleveland, O., Harter, 1934.

PHILIPPINE ISLANDS. INSPECCIÓN GENERAL DE MONTES. Catálogo de las plantas del herbario recolectado por el personal de la suprimida Comisión de la flora forestal. Manila, Colegio de Sto. Tomás, 1892.

WILSON, C. L., and Haber, J. M. An introduction to plant life. New York, Holt, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Brewing

PAWLOWSKI, F. Die brautechnischen untersuchungsmethoden. München, Oldenbourg, 1932.

Cereals

AMERICAN ASSOCIATION OF CEREAL CHEMISTS. COMMITTEE ON METHODS OF ANALYSIS.

Cereal laboratory methods with reference tables. Ed. 3. Omaha, 1935.

HARD RED WINTER WHEAT IMPROVEMENT CONFERENCE. 3d, Lincoln, Neb., 1935.

Report. Lincoln, Neb., 1935. Mimeographed.

VAN GODTSENHOVEN, E. and VERMEYLEN, J. Recherches sur la valeur culturale et brassicole des orges indigenes et exotiques. Gand, Hoste, 1935.

Chemistry

ALUMINUM COMPANY OF AMERICA. Chemical analysis of aluminum. New Kensington, Pa., Aluminum research laboratories, 1935.

GREGG, J. L. Arsenical and argentiferous copper. New York, Chemical catalog co., 1934. (American chemical society. Monograph series, no. 67)

SCHLEICHER, C., & SCHULL CO., New York. Filtrations in chemical laboratories. Ed. 2. New York, 1934.

Colonization

SCHMIDT, G. A. Das Kolonial-wirtschaftliche komitee. Berlin, Kolonial-wirtschaftliches kmoitee, 1934.

Dairy Products

BUECHEL, F. A. Consumption of milk and milk products in the city of Austin and Travis county, Texas. Austin, 1934. Mimeographed.

PSYCHOLOGICAL CORPORATION OF NEW YORK. A study of the psychological factors influencing the drinking of plain milk by adults. Made for the Milk research council. [n.p.] 1935.

WASHBURN, R. M. Cottage cheeses and other popular varieties. Milwaukee, Wis., Olsen, 1934.

Domestic animals, Veterinary medicine

CATTEDRA AMBULANTE DI AGRICOLTURA PER LA PROVINCIA DI PARMA. SEZIONE ZOO-TECNICA. L'allevamento suino in provincia di Parma. Parma, Godi, 1934.

RUNNELLS, R. A. A guide to the study of special veterinary pathology. Ames, Iowa, Collegiate press, 1935.

VERON, H. A. Diseases of sheep. Sydney, Evans, 1933.

Economics

CHICAGO TRIBUNE. Chicago tribune business charts. Chicago, 1935.

DAVIS, J. Capitalism and its culture. New York, Farrar & Rinehart, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Economics (Continued)

- DE HAAS, J. A. The practice of foreign trade. New York, McGraw-Hill, 1935.
- DOUGLAS, P. H. Controlling depressions. New York, Norton, 1935.
- EPSTEIN, R. C. Industrial profits in the United States. New York, 1934.
(Publications of the National bureau of economic research, inc. no. 26)
- EVANS, J. G., jr. Basic economics in a democratic society using a machine technology. Chapel Hill, University of North Carolina press, 1934.
- HOLCOMBE, A. N. Government in a planned democracy. New York, Norton, 1935.
- INTERNATIONAL LABOR OFFICE, Geneva. Social and economic reconstruction in the United States. Geneva, 1934. (Studies and reports. Series B (Economic conditions) no. 20)
- KOTANY, L. The science of economy. New York, Putnam, 1934.
- LEMCKE, B. Der ruckweg zur normalen welt-wirtschaftslage. Riga, Kymmel, 1934.
- LANDIS, B. Y. Must the nation plan? New York, Association press, 1934.
- MICHAEL, G. Handout. New York, Putnam, 1935.
- NATIONAL INDUSTRIAL CONFERENCE BOARD. Costs and profits in manufacturing industry, 1914-1933. New York, 1935. (Studies no. 213)
- SCHNEIDER, A. Die nationalindustrien Sudamerikas. Hamburg, 1935. (Ibero-amerikanisches institut Hamburg. Institut für Amerikaforschung an der Universität Würzburg. Ibero-amerikanische studien. 2)
- WARE, E. E. The study of international relations in the United States. Survey for 1934. New York, Columbia university press, 1935.

Electricity

- WALKER, R. C., and LANCE, T. M. C. Photoelectric cell applications. Ed. 2. London, Pitman, 1935.

Engineering

- BUS TRANSPORTATION. Bus transportation handbook. New York, McGraw-Hill, 1934.
- DOMESTIC ENGINEERING COMPANY, Chicago. Six ways to figure radiation, ed. by H. L. Alt. Chicago, 1935.
- RUSSELL, E. B. Analysis of continuous frames by the method of restraining stiffnesses. Ed. 2. San Francisco, Ellison and Russell, 1934. Lithographed.

Feeding Stuffs

- HOARD'S DAIRYMAN. Hoard's dairyman feed book. Fort Atkinson, Wis., 1935.

Field Crops

- DUCELLIER, L. O. La production fourragère en Algérie. Alger, Vollot, 1933.
- GILBERT, S. M. Preliminary report on an economic investigation into the cane farming industry of Trinidad, 1932. Port-of-Spain, Govt. printer, 1933. pt. 1-[4]. (Trinidad and Tobago. Council papers, no. 84 and 135 of 1933)
- INDIA. INDIAN CENTRAL COTTON COMMITTEE. The Indian central cotton committee. Its objects, activities and achievements. Bombay, Claridge, 1933.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Finance

- ELLIS, H. S. German monetary theory, 1905-1933. Cambridge, Mass., Harvard university press, 1934. (Harvard economic studies. v. 44)
- LLOYD, W. The European war debts and their settlement. New York, Committee for the consideration of inter-governmental debts, 1934.
- POUND, E. L. Social credit; an impact. London, Mott, 1935. (Pamphlets on the new economics. no. 8)
- RAMAIIYA, A. The Reserve bank of India act, act II of 1934. Madras, Law, 1934.
- SODDY, F. The role of money. New York, Harcourt, Brace, 1935.
- STEVENSON, R. A., and others, ed. A type study of American banking. Minneapolis, 1934. (Bulletins of the Employment stabilization research institute. University of Minnesota. v. 4, no. 1, Nov. 1934)

Food and Nutrition

- BLANCK, A. P. Foods and the law. New York, Smith, 1935.
- BOGERT, L. J. Nutrition and physical fitness. Ed. 2. Philadelphia, Saunders, 1935.
- CANNED FOODS ASSOCIATION OF JAPAN. Marine foods canning industry in Japan. Tokyo, 1934.
- CASTETTER, E. F. Uncultivated native plants used as sources of foods. Albuquerque, 1935. (University of New Mexico bulletin, v. 4. no. 1. Ethnobiological studies in the American Southwest, I)
- GAUGER, M. E. Vitamins and your health. New York, McBride, 1935.
- TODOROFF, A. Food buying today. Chicago, Grocery trade publishing house, 1934.

Forestry

- FINLAY, Mrs. M. C. Our American maples & some others. New York, Georgian press, 1934.
- GEORGIA. UNIVERSITY, Athens. Opportunities in forestry. Athens, 1935. (Bulletin. 35, no. 76)

Geography, Economic

- VAN VALKENBURG, S., and HUNTINGTON, E. Europe. New York, Wiley, 1935.
- WHITBECK, R. H., and FINCH, V. C. Economic geography. Ed. 3. New York, McGraw-Hill, 1935.

History, Economic

- BOGART, E. L. Economic history of the American people. Ed. 2. New York, Longmans, Green, 1935.
- QUIETT, G. C. They built the West. An epic of rails and cities. New York, Appleton-Century, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Home Economics

- BRINDZE, R. How to spend money; everybody's practical guide to buying. New York, Vanguard, 1935.
- MILLER, C. B. and others. A guide to the teaching of home economics, v. 1. Ames, Ia., Collegiate press, 1934.

Horticulture

- CONVEGNO VITI-VINICOLO SARDO. 1st, Cagliari, 1933. Atti. Cagliari, Società editoriale italiana [1933?]
- HOTTES, A. C. The book of annuals. Ed. 3. New York, De LaMare, 1935.
- 1001 garden questions answered. Ed. 2. New York, De LaMare, 1935.
- LAREN, A. J. van. Succulents other than cacti. Translated from the Dutch by E. J. Labarre. Ed. 2. Los Angeles, Abbey San Encino press, 1935.
- MATSCHAT, Mrs. C. H. Mexican plants for American gardens. Boston, Houghton Mifflin, 1935.
- MISSION ALGÉRIENNE AGRICOLE ET COMMERCIALE AUX ÉTATS-UNIS (mai-juin 1932). Rapport technique sur les cultures fruitières. Alger, Heintz, 1932.
- MIYOSHI, M. Sakura, Japanese cherry. [n.p.] Board of tourist industry, Japanese Government railways, 1934. (Tourist library. 3) Label over imprint: Bruce Humphries, Inc., Boston.
- PIERCE, H., and MAWSON, A. Shrubs. Their pruning and arrangement, with notes on garden design and upkeep. [Kendal, Eng., Bateman & Hewitson, 1935?]
- SULZER, Mrs. M. N. House plants, modern care and culture. Garden City, N. Y., Doubleday, Doran, 1935.
- WILSON, H. V. P. A garden in the house. New York, Leisure league of America, 1934. (Leisure league little book, no. 10)

Insurance, Unemployment

- ELBERT, R. G. Unemployment and relief. New York, Farrar & Rinehart, 1934.
- HANSEN, A. H., and others. A program for unemployment insurance and relief in the United States. Minneapolis, University of Minnesota press, 1934.

Marketing

- BOMBAY. COMMITTEE ON THE IMPROVEMENT IN THE MARKETING OF FRUIT AND VEGETABLES. Report. Bombay, Government central press, 1935.
- FREDERICK, J. H. Industrial marketing. New York, Prentice-Hall, 1934.
- HOLTZCLAW, H. F. The principles of marketing. New York, Crowell, 1935.

Olives and Olive Oil

- LEWKOWITSCH, E. Química y análisis del aceite de oliva. Traducción de A. L. Maroto. Madrid, Asociación de olivareros de España, 1933.
- SAVASTANO, G. Studie e ricerche riguardanti l'olivo. Presentati all'XI Congresso internazionale di olivicoltura (Lisbona 26-30 novembre 1933) Roma, "Il lavoro fascista" [1933?]

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Ornithology

- McILHENRY, E. A. Bird city. Boston, Christopher, 1934.
MAY, J. B. The hawks of North America. New York, National association of Audubon societies, 1935.

Planning, City

- ADAMS, T. Outline of town and city planning. New York, Russell Sage foundation, 1935.

Poultry

- LEE, C. E. Profitable poultry management. Ed. 8. Cayuga, N. Y., Beacon milling company, 1935.

Roads, Transportation

- CANADIAN ELECTRIC RAILWAY ASSOCIATION. Statement to the Royal commission on railways and transportation. Ottawa, 1932.
EDDLEMAN, J. C. The regulation of pupil transportation in the United States. Lexington, 1934. (Bulletin of the Bureau of school service, College of education, University of Kentucky. v. 6, no. 3)
FEDI, J. Les bétons et les revêtements bétonnés de chaussées. Paris, Béranger, 1935.
ONTARIO ASSOCIATION OF MOTOR COACH OPERATORS. Statement to the Royal commission on railways and transportation. Ottawa, 1932.
RAVER, P. J. Economics of paved track design and construction. Chicago, Institute for research in land economics and public utilities, 1930. (Studies in public utility economics. Research monograph no. 3. R. T. Ely, ed.)
ROSSMAN, L. A. Railways and highways. Grand Rapids, Minn., 1935.
SHEETS, F. T. Concrete road design simplified and correlated with traffic. Ed. 3. Chicago, Portland cement association, 1935. (Highway planning and design series, no. 2)

Silk

- KULLER, P. The economic importance of African wild silks. Brussels, African silk corporation [1930?]
SAVASSI, A. A sericicultura no Brasil. Ed. 9. Rio de Janeiro, Ministerio da agricultura, 1932.

Slaughtering

- HILL, Sir L. E. Electric methods of producing humane slaughter. London, Model abattoir society, 1934.
JONES, J. H. Slaughter-house reform. London, Model abattoir society, 1933.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Sociology, Rural

- CONFERENCE ON GUIDANCE AIDS FOR RURAL YOUNG PEOPLE, Washington, 1934. Personnel, program and findings. Richmond, Va., Southern woman's educational alliance [1934?] Mimeographed.
- GHOSH, K. Raipur (Rural survey of a village in Birbhum) Sriniketan, Birbhum, Santiniketan press, 1933.

Soils

- CONFERENCE OF EAST AFRICAN AGRICULTURAL AND SOIL CHEMISTS. 2d, Zanzibar, 1934. Proceedings. Nairobi, Government printer, 1935.

Statistics

- BAEHNE, G. W., ed. Practical applications of the punched card method in colleges and universities. New York, Columbia university press, 1935.
- CONNECTICUT. STATE DEPT. OF AGRICULTURE, BUREAU OF MARKETS. Statistical information pertaining to the marketing of agricultural products in Connecticut, 1934. Hartford, 1935. Mimeographed.
- WALKER, H. M. Mathematics essential for elementary statistics. New York, Holt, 1934.

Taxation

- HILLHOUSE, A. M. New sources of municipal revenue. Chicago, Ill., Municipal finance officers' association of the United States and Canada, 1935.
- LUTZ, P. The practical operation of the new Indiana system of taxation. [n.p., 1934?]
- TAX POLICY LEAGUE. The place of state income taxation in the revenue systems of the states. Report of a committee. New York, 1935.

Textiles

- CARVER, T. N., and others. Textile problems for the consumer. New York, Macmillan, 1935.

Reference books

- HORWILL, H. W. A dictionary of modern American usage. Oxford, Clarendon press, 1935.
- PHILADELPHIA COMMERCIAL MUSEUM. International traders' handbook, 1935. Philadelphia, 1935.

Theses

- ALBERS, W. Die stellung der konsumvereine und konsumanstalten in der fettversorgung des Rheinisch-Westfälischen-industriegebietes. Bonn, 1933. Inaug.-diss. Landw.hochschule, Bonn-Poppelsdorf.
- BEIER, H. Die chemische bestimmung des vitamins C und die ausschaltung der dabei störenden anderen stoffe. Bottrop I.W., 1934. Inaug.-diss. Frankfurt a.M.

PRINCIPAL LIBRARY ACCESSIONS

Theses (continued)

- BOTTCHER, F. K. Untersuchungen über den einfluss einiger chemischer hederichbekämpfungsmittel auf die bienen. Erlangen, 1935. Diss. Bayerische landesanstalt für bienenzucht, Erlangen.
- FISCHÖEDER, F. Die paramphistomiden der säugetiere. Königsberg i. Pr., 1902. Inaug.-diss. Königsberg i. Pr.
- FLEISCHMANN, O. J. Der weltmarkt in gefrier- und kühlfleisch. Köln, 1934. Inaug.-diss. Köln.
- GAILLARD, J. A study of the fundamentals of industrial standardization and its practical application, especially in the mechanical field. Delft [1933?] Proefschrift. Tech.hoogeschool, Delft.
- GRAF, W. Untersuchungen über die bestimmung und chakterisierung des paraffins in asphalten. Marbach a. Neckar, 1934. Promotionsarbeit. Tech.hochschule, Zürich.
- GRINTZESCO, E. Le problème du redressement agricole en Roumanie. Bucarest, 1931. These. Univ. de Strasbourg.
- GROBECKER, K. Untersuchungen über bedeutung und auswirkung der künstlichen trocknung in der landwirtschaft. Ohlau i. Sch., 1931. Inaug.-diss. Landwirtschaftl.hochschule, Berlin.
- HARDE, H. Der NaCl-gehalt des harns gesunder und kranker schweine. Leipzig, 1932. Inaug.-diss. Leipzig.
- HARMS, F. Sterilisationsversuche von verbandstoff und fleisch im autoklaven bei 120° C. Uelzen, 1934. Inaug.diss. Tierärztl.hochschule, Hannover.
- HARTIG, M. Über Neubildungen an der zunge bei tieren. Giessen, 1934. Inaug.-diss. Giessen.
- HARTMANN, E. Die stellung der winzergenossenschaften im weinbau Württembergs sowie ihre geschichte, entwicklung und organisation. Stuttgart, 1933. Diss. Stuttgart.
- HARTMANN, H. Zur pathogenese der embolischthrombotischen kolik des pferdes unter besonderer berücksichtigung der anastomosenverhältnisse der dickdarmarterien. Berlin, 1932. Inaug.-diss. Tierärztl.hochschule, Berlin.
- KAO, P. K. Moment factors for rigid building frames. Ithaca, N. Y., 1931. Thesis (abstract) Ph.D. Cornell university.
- KIOK, W. M. W. Der manick; ein beitrag zur wirtschaftsgeographie der warmen länder. Lauban, 1934. Inaug.-diss. Greifswald.
- KUMMER, H. Der bodenanbau 1913 der in der provinz Sachsen. Leipzig, 1934. Inaug.-diss. Leipzig.
- LESSMANN, H. Die entwicklung der weizenbaubetriebe in den kreisen Köthen und Bernburg in den jahren 1927/28 bis 1930/31. Dresden, 1934. Inaug.-diss. Leipzig.
- MEYER, E. W. J. Betriebsstatistische untersuchung über die entwicklung von Hof-Güll in der zeit von 1832/1932. Giessen, 1934. Diss. Giessen.
- SCHLADEBACH, F. Der bodenanbau im jahre 1913 in den kreisen Ballenstedt, Bernburg, Cöthen, Dessau, Zerbau, Calbe und grafenschaft Wernigerode. Braunschweig, 1934. Inaug.-diss. Leipzig.
- SCHNEIDER, E. F. Studien in der benzthiazolreihe. Giessen, 1934. Diss. Giessen.
- SEIBERT, H. Studien über organische solenverbindung. Giessen, 1934. Diss. Giessen.
- STEIN, W. Die herkunftsprüfungen bei kartoffeln. Breslau, 1935. Inaug.-diss. Breslau.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

- WALLACE, H. A. Farmers must assert themselves. South. Planter 96(5): 5, May 1935.
----- Farmers' tariff must continue. Mont. Farmer 22(23): 3, 12. Aug. 1, 1935.
----- A personal report on the national forests. Science 82(2122): 194-6. Aug. 30, 1935.
----- With justice to the consumer. Kans. Farmer. 73(17): 1. Aug. 17, 1935.

Agricultural Adjustment Administration

- HARTMAN, W. A. (With H. H. Wooten, Bur. Agr. Econ.) Georgia land use problems. Georgia Agr. Expt. Sta. Bull. 191. 195 p. May 1935.
HUTSON, J. B. The price outlook for 1935 tobacco. Prog. Farm. (Ga.-Ala.ed.) 50(8): 3. Aug. 1935.
PETTRIE, H. The cattle situation. Calif. Cult. 82: 389, 409. July 6, 1935.

Bureau of Agricultural Economics

- BAKER, O. E. Three trends to be considered in relation to a land-use program. [23]p. 1935. (Reprint of address before Nebr. Crop Growers Assoc., Jan. 8, 1935)
----- and TAYLOR, E. H. Years of grace. Country Gent. 105(8): 5-7, 67. Aug. 1935. (Editorial comment under title: Insuring the future. p.20)
NICKERSON, D. Disk colorimetry; including a comparison of methods for computing tristimulus values for certain disks. Jour. Optical Soc. of Amer. 25(8): 253-257. Aug. 1935.
SKINNER, I. M. Book review. (Statistical tables and graphs, by Bruce D. Mudgett. Houghton Mifflin Co., New York, 1930. Pp. VIII+194.) The Social Serv. Rev. 9(2): 362. June 1935.

Bureau of Biological Survey

- ALDOUS, C. M. The protectors of our game and fish resources. Minn. Conservationist 26: 9, 22. July 1935.
DARLING, J. N. Save our game! Sci. Amer. 153: 117-119. Sept. 1935.
----- The duck season. Sportsman 18 (2): 20-22, 56, 57. Aug. 1935.
GOLDMAN, E. A. A new brown mouse of the genus Scotinomys from Mexico. Biol. Soc. Wash. Proc. 48 : 141-142. Aug. 22, 1935.
KALMBACH, E. R. Will botulism become a world-wide hazard to wild fowl? Jour. Amer. Vet. Med. Assoc. 87 (n.s. 40): 183-187. Aug. 1935.
McATEE, W. L. Text-book facts on protective coloration. Amer. Nat. 69: 374-378. July-Aug. 1935.
ODERKIRK, G. C. Ground hog control on Indiana farms not a difficult task. Outdoor Indiana 2. (7): 23, 28. Aug. 1935.
ZAHNISER, H. September. Nature Mag. 26 : 135. Sept. 1935.

*These lists are prepared in the bureaus under which they are given, with the exception of the Office of the Secretary, Agricultural Adjustment Administration, and Soil Conservation Service.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT.
(continued)

Bureau of Dairy Industry

- CONVERSE, H. T., WISEMAN, H. G., and MEIGS, E. B. The relation between the color and vitamin A of butter and the feed of the cow. Amer. Soc. Anim. Prod. Rec. Proc. (1934)-27: 50-54. Jan. 1935.
- FRAZIER, W. C., JOHNSON, W. T., jr., EVANS, F. R., and RAMSDELL, G. A. The bacteriology of Swiss cheese. III. The relation of acidity of starters and of pH of the interior of Swiss cheeses to quality of cheeses. Jour. Dairy Sci. 18: 503-510. Aug. 1935.
- SANDERS, G. P. Report on milk proteins. Jour. Assoc. Off. Agr. Chem. 18: 407-408. Aug. 15, 1935.
- SHINN, L. A., KANE, E. A., WISEMAN, H. G., and CARY, C. A. Variations in the carotene content of farm feeds. Amer. Soc. Anim. Prod. Rec. Proc. (1934) 27: 190-192. Jan. 1935.

Bureau of Entomology and Plant Quarantine

- BAKER, H. Phylloxera devastatrix Perg. on pecans. Jour. Econ. Ent. 28: 681-685. Aug. 1935.
- CLARK, E. P. Determination of sulfur in organic compounds by the semimicro Carius method. Jour. Assoc. Off. Agr. Chem. 18: 476-477. Aug. 15, 1935.
- Report on microchemical methods. Jour. Assoc. Off. Agr. Chem. 18: 439. Aug. 15, 1935.
- CLAUSEN, C. P. The control of insect pests by parasites and predators. Blue Anchor 12(8): 4-6, 21-22. Aug. 1935.
- DEARBORN, F. E. Homologs of paris green. I. Lower members of acetic acid series. Jour. Econ. Ent. 28: 710-714. Aug. 1935.
- DOUGLAS, W. A. Insects observed attacking Crotalaria in Louisiana in 1932 and 1933. Jour. Econ. Ent. 28: 686-687. Aug. 1935.
- EWING, H. E. The rules of nomenclature as applied to the anopluran genus Pedicinus Gervais. Helminthol. Soc. Wash. Proc. 2: 67. July 1935.
- Two new pre-Columbian records of the American head louse, Pediculus humanus americanus. Helminthol. Soc. Wash. Proc. 2: 67-68. July 1935.
- FULTON, R. A., and BERGEN, H. G. Economic injury to beans from the activities of the mason bee Osmia pellax Sandhouse. Jour. Econ. Ent. 28: 729-730. Aug. 1935.
- HERLIHY, M. E. Entomology, Bureau of. Amer. Annual 1935: 249-251.
- HULL, J. B., and DOVE, W. E. Sand fly control in mangrove marshes. Helminthol. Soc. Wash. Proc. 2: 69. July 1935.
- INGRAM, J. W., BRUM, E. K., and DOUGLAS, W. A. Control of the sugar cane beetle. Sugar Bul. 13(21): 4-5. Aug. 1, 1935.
- LARSON, A. O., BRINDLEY, T. A., and HINMAN, F. G. Some recent additions to our knowledge of the biology of the pea weevil. Jour. Econ. Ent. 28: 668-670. Aug. 1935.
- LIPP, J. W., and OSBURN, M. R. Aluminum sulfate as a sticker for hydrated lime in sprays. Jour. Econ. Ent. 28: 728. Aug. 1935.
- MCALISTER, L. C., jr., and ANDERSON, W. H. Insectary studies on the longevity and preoviposition period of the blueberry maggot and on cross breeding with the apple maggot. Jour. Econ. Ent. 28: 675-678. Aug. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT.

Bureau of Entomology and Plant Quarantine
(continued)

- PARISH, H. E., and LAAKE, E. W. Species of Calliphoridae concerned in the production of myiasis in domestic animals, Menard County, Texas. Jour. Parasitol. 21: 264-266. Aug. 1935.
- PORTER, B. A. Codling moth control. Amer. Pomol. Soc. Proc. (1934) 50: 20-25. [1935].
- RICHARDSON, H. H. The Mexican mealybug, a serious pest of greenhouse chrysanthemums. Florists' Exch. 85(8): 11, 114. Aug. 24, 1935.
- RUST, H. J. The role of predatory agents in the artificial control of the mountain pine beetle. Jour. Econ. Ent. 28: 688-691. Aug. 1935.
- SIEGLER, E. A., and MUNGER, F. A laboratory spray apparatus. Jour. Econ. Ent. 28: 704-706. Aug. 1935.
- WIRTH, L. E., and SIEGLER, E. H. Phenothiazine, a promising new insecticide. Jour. Econ. Ent. 28: 727-728. Aug. 1935.

Library

- BARNETT, C. R. Federal department and bureau libraries. Special Libraries. 26: 202-206. Sept. 1935. (The special library profession and what it offers, no. 9)

Bureau of Plant Industry

- BEATTIE, J. H. Die düngung urbar gemachten bodens. 2. Bericht für Amerika (Vereinigte Staaten). Ztschr. Pflanzenernähr. Düngung u. Bodenk. 38: 99-104. 1935.
- BLAKE, S. F. (With E. P. KILLIP, U. S. Natl. Mus.) Natural history of Plummers Island, Maryland. II. Flowering plants and ferns. Proc. Biol. Soc. Wash. 48: 118-134. Aug. 22, 1935.
- CHRISTIE, J. R., and CROSSMAN, L. Water temperatures lethal to begonia, Chrysanthemum and strawberry "strains" of the nematode Aphelenchoides fragariae (Anguilluliniidae). Helminthol. Soc. Wash. Proc. 2: 98-103. July 1935.
- COLE, J. S. Die düngung des bodens bei trockenem klima. 2. Bericht für Amerika (Vereinigte Staaten). Ztschr. Pflanzenernähr. Düngung u. Bodenk. 38: 15-18. 1935.
- DIEHL, W. W. A case for priority in botanical nomenclature. Science 82: 152. Aug. 16, 1935.
- DUNEGAN, J. C. A Phytophthoradisease of peach seedlings. Phytopathology 25: 800-809. Aug. 1935. (With Ark. Agr. Expt. Sta.)
- EATON, F. M., & BLAIR, G. Y. Accumulation of boron by reciprocally grafted plants. Plant Physiol. 10: 411-424. July 1935.
- Salinity of irrigation water and injury to crop plants. Calif. Citrogr. 20: 302, 322, 324, 326, 334, 362-365. Aug., Sept. 1935.
- FISHER, D. F. Progress in spray residue removal. Amer. Pomol. Soc. Proc. (1934) 50: 25-34. Recd Aug. 1935)
- GERHARDT, F., and EZELL, B. D. Handling of Jonathan apples for storage. Idaho State Hort. Assoc. [Proc.] (1934) 39: 51: 56. (Recd Aug. 1935)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT.

Bureau of Plant Industry
(continued)

- GRANTFIELD, C. O. (With R. H. PAINTER, Kans. State Col.) Preliminary report on resistance of alfalfa varieties to pea aphids, *Illinoia pisi* (Kalt). Jour. Amer. Soc. Agron. 27: 671-674. Aug. 1935.
- HARLEY, C. P. Water-core. Mountaineer Grower 6(64): 10-13. Aug. 1935.
- HEIN, M. A. Grazing time of beef steers on permanent pastures. Jour. Amer. Soc. Agron. 27: 675-679. Aug. 1935. (With Bur. Anim. Indus.)
- IMMER, F. R. Producing good malting barley. Minn. Seed Grower 8(4): 1, 3. Aug. 1935.
- JENKINS, A. E. (With L. M. MASSEY, N. Y. [Cornell] Agr. Expt. Sta.) Scab of violet caused by *Sphaceloma*. N. Y. (Cornell) Agr. Expt. Sta. Mem. 176. 9 p. Apr. 1935.
- LINEBERRY, R. A. (With H. B. MANN, N. C. Agr. Expt. Sta.) Effect of nitrogen fertilizers on strawberry production. Com. Fert. 51: 11-16, 18, 24. illus. Aug. 1935.
- McKEE, R. Vitality and germination of crimson clover seed as affected by swelling and sprouting and subsequent drying. Jour. Amer. Soc. Agron. 27: 642-643. Aug. 1935.
- MARTIN, J. H., TAYLOR, J. W., and LEUKEL, R. W. Effect of soil temperature and depth of planting on the emergence and development of sorghum seedlings in the greenhouse. Jour. Amer. Soc. Agron. 27: 660-665. Aug. 1935.
- MORRIS, V. H., and SAYRE, J. D. Solubility of potassium in corn tissues. Plant physiology 10: 565-568. July 1935. (With Ohio Agr. Expt. Sta.)
- PARKER, J. H. Relation of variety testing and plant breeding to quality of Kansas wheat. Northw. Miller 183: 532-533. Aug. 21, 1935.
- Rust. Northw. Miller 183: 237, 247. July 24, 1935.
- PEEBLES, R. H. A new agave of southern Arizona. Biol. Soc. Wash. Proc. 48: 139-140. Aug. 22, 1935.
- RANDOLPH, L. F. A new fixing fluid and a revised schedule for the paraffin method in plant cytology. Stain Technol. 10: 95-96. July 1935. (With N. Y. State Col. Agr.)
- SCHAAL, L. A. Rhizoctonosis of potatoes grown under irrigation. Phytopathology 25: 748-762. Aug. 1935.
- SCHOTH, H. A. Rationalism applied to plant improvement of immense value. Seed Trade News 25(2): 4. July 10, 1935. Also in Bean-Bag 18(2): 11-12, 14-16. July 1935.
- SHERMAN, G. W. The control of the root-knot nematode, *Heterodera marioni* (Cornu) (Anguilluliniidae), on tuberoses by hot water and vapor heat. Helminthol. Soc. Wash. Proc. 2: 111. July 1935.
- SMITH, E., and RYALL, A. L. Recent experiments on removal of lead, arsenic and fluorine residues. Idaho State Hort. Assoc. [Proc.] (1934) 39: 35-40. (Recd Aug. 1935)
- STEINER, G. Opuscula miscellanea nematologica, II. Helminthol. Soc. Wash. Proc. 2: 104-110. July 1935.
- THOMAS, C. C. Some factors influencing the rooting of cuttings of the Chinese holly (*Ilex cornuta*). Natl. Hort. Mag. 14: 276-279. July 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT.

Bureau of Plant Industry
(continued)

- THORNE, G. Notes on free-living and plant-parasitic nematodes, II.
Helminthol. Soc. Wash. Proc. 2: 96-98. July 1935.
----- Sweet clover and sugar beets. U & I Farm Messenger 1935
(Aug.): 18.
WILKINS, H. L. Report on total chlorine in plants. Jour. Assoc.
Off. Agr. Chem. 18: 379-382. Aug. 15, 1935.
WINSTON, J. R. Reducing decay in early shipments of Florida oranges
and grapefruit. Citrus Indus. 16(8): 16-17. Aug. 1935.

Bureau of Public Roads

- ARBOT, S. W., and AUSTIN, W. M. Shenandoah-Great Smokies interparkway.
Engin. News-Record 115: 112-113. July 25, 1935.
HARRISON, J. L. The Monticello estate road. Road and Streets 68:
225-228. July 1935
SHEPARD, E. R. Searching for foundation beds by electricity and sound.
Engin. News-Record 115: 228-231. Aug. 15, 1935
SPELMAN, H. J. Building roads in Shenandoah national park. Civil
Engineering 5: 482-484. Aug. 1935

Soil Conservation Service

- BARTEL, F. O. Results of recent engineering studies in soil erosion control.
Agr. Engin. 16: 304-307, 312. Aug. 1935.
BENNETT, H. H. Attacking the soil erosion problem on a nation-wide front.
Agr. Engin. 16: 293-297. Aug. 1935.
BOWERS, W. F. The menace of soil erosion. Seed World 38(4): 5-7, 19. Aug. 18,
1935.
CHAMBERS, T. B. The SCS erosion control program. Agr. Engin. 16: 301-303.
Aug. 1935.
ELLISON, W. D. Terrace outlets. Agr. Engin. 16: 298-300, 303. Aug. 1935.
MATSON, H. Design and construction of sodded terrace outlet channels. Agr.
Engin. 16: 321-322, 330. Aug. 1935.
RIESBOL, H. S. Selection of channel grade for terraces. Agr. Engin. 16: 308-
312. Aug. 1935.
STODDART, L. A. Range capacity determination. (Note) Ecology 16: 531-533.
July 1935.

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"Soil Conservation, Official Organ of the Soil Conservation Service,
U. S. Department of Agriculture", is a new publication of the Department.
Vol. 1, no. 1 is for August 1935. It is to be issued monthly and is supplied
free to workers and cooperators of the Department of Agriculture. Others may
obtain copies from the Superintendent of Documents, Government Printing Office,
Washington, D. C., at ten cents a copy, or by subscription at the rate of \$1.00
a year, domestic.

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BIBLIOGRAPHIES AND LISTS

Miscellaneous

Beardsley, A. S., and Orman, O. C. Bibliography of selected materials relating to the legislation of the new deal. Seattle, Wash.: University book store, 1935.

Harvard university. Bureau for economic research in Latin America. The economic literature of Latin America, a tentative bibliography, v. 1. Cambridge, Harvard university press, 1935.

U. S. Department of Agriculture

Bureau of Agricultural Economics.

Farmers' and farm laborers' strikes and riots in the United States 1932-1935; a list of references. Compiled in the Library, Bureau of agricultural economics. July 1935. 83 p. (Supersedes and is an enlargement and a partial revision of a list issued Aug. 15, 1933, entitled Farmers' strikes and riots in the United States, 1932-1933) Mimeographed.

Bureau of Entomology and Plant Quarantine.

A bibliography of cyanide compounds used as insecticides, 1930. By H. L. Cupples. 1935. 58 p. (E-354) (Issued by Division of insecticide investigations) Mimeographed.

Extension Service.

Child training: lost of extension publications. 1935. 4 p. (Miscellaneous extension publication 21) (Issued by Division of cooperative extension) Mimeographed.

Forest Service.

List of publications, Allegheny forest experiment station 1928 to July 10, 1935. 1935. 3 numb. 1. (Issued by Allegheny forest experiment station) Mimeographed.

Bureau of Plant Industry.

Horticultural organizations of the United States and Canada. Compiled by Magdalene R. Newman. 1935. 36 p. (Issued by Division of fruit and vegetable crops and diseases) Mimeographed.

Organizations dealing with the handling and merchandising of horticultural products in the United States and Canada. Compiled by Magdalene R. Newman, 1935. 15 p. (Issued by Division of fruit and vegetable crops and diseases)

-o-o-o-o-o-o-o-o-o-o-o-

NOTES ON PERIODICALS

Cattle feeder and breeder. Breeder Publications, Union Stock Yards, Chicago, Ill. no. 4^o il. Vol. 1, no. 1, June, 1935. Subscription rates: Domestic \$1.00 a year; Foreign \$1.50 a year.

Delaware sportsman. Box 872, Wilmington, Del. quar. f^o il. vol. 1, no. 1, June 1935. Subscription included in \$1.00 dues to Delaware game & fish protective association. 15 cents a copy.

East African agricultural journal of Kenya, Tanganyika, Uganda and Zanzibar. Government printer, P. O. Box 128, Nairobi. bi-mo. 8^o il. vol. 1, no. 1, July 1935. Subscription: 5s. per annum, or 1s per copy.

System and business management. New York. Discontinued publication with vol. 64, no. 6. June 1935. Merged with American business, Aug. 1935, which has title: American business combined with "System."

-o-o-o-o-o-o-o-o-o-o-o-

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK*

Alabama

SCARSETH, G. D. The mechanism of phosphate retention by natural aluminosilicate colloids. Jour. Amer. Soc. Agron. 27: 596-616. Aug. 1935.

California

- BALL, W. S., and ROBBINS, W. W. Alkali mallow (*Sida hederacea* (Dougl.) Torr.) Calif. Dept. Agr. Mo. Bul. 24: 232. April, May, June 1935. (W. S. Ball, Field supervisor of weed control, State Dept. Agr., Sacramento)
- Mexican whorled or narrow-leaf milkweed (*Asclepias mexicana* Cav.) Calif. Dept. Agr. Mo. Bul. 24: 219-220. April, May, June 1935.
- Pignut (*Hoffmannseggia densiflora* Benth.) Calif. Dept. Agr. Mo. Bul. 24: 260. April, May, June 1935.
- Wild morning-glory (*Convolvulus arvensis* L.) Calif. Dept. Agr. Mo. Bul. 24: 192-194. April, May, June 1935.
- BASINGER, A. J. Notes on the parasites of the peach twig borer in southern California (*Anarsia lineatella* Zell.) Calif. Dept. Agr. Mo. Bul. 24: 245-246. April, May, June 1935.
- Parasites reared from *Argyrotaenia* (Tortrix) *citrana* Fernald. Calif. Dept. Agr. Mo. Bul. 24: 233-234. April, May, June 1935.
- BORDEN, A. D. The willow weevil as a deciduous fruit insect pest. Jour. Econ. Ent. 28: 661-665. Aug. 1935.
- BROOKS, F. A. A new method of obtaining dust for testing tractor air cleaners. Agr. Engin. 16: 323-326. Aug. 1935.
- CRAFTS, A. S. Plot tests with sodium arsenite and sodium chlorate as soil sterilants in California. Calif. Dept. Agr. Mo. Bul. 24: 247-259. April, May, June 1935.
- CRUESS, W. V. Control of tourne. Fruit Prod. Jour. and Amer. Vinegar Indus. 14: 359-360. Aug. 1935.
- CRUESS, W. V. (With E. M. MRAK and P. J. QUIN, Univ. Calif.) How to avoid the browning of peaches. Canning Age 16: 353-354. Aug. 1935.
- EBELING, W. Effect of paraffin wax emulsions on the oil-depositing properties and insecticidal efficiency of oil sprays. Jour. Econ. Ent. 28: 728-729. Aug. 1935. (Note)
- GOSS, H., and GREGORY, P. W. Glutathione concentration and hereditary size. IV. The effect of nursing upon the concentration. Jour. Expt. Zool. 71: 311-316. Aug. 5, 1935.
- Glutathione concentration of livers and muscles of rats following injection of hypophyseal growth hormone. Soc. Expt. Biol. and Med. Proc. 32: 681-683. Feb. 1935.
- JONES, H. A., BAILEY, S. F., and ENSWELLER, S. L. Field studies of Thrips *tabaci* Lind, with especial reference to resistance in onions. Jour. Econ. Ent. 28: 678-680. Aug. 1935.
- MICHELbacher, A. E., and ESSIG, E. O. Field observations on the alfalfa weevil in middle California. Calif. Dept. Agr. Mo. Bul. 24: 221-231. April, May, June 1935. (A. E. Michelbacher, Univ. Calif.)

*Prepared in the Office of Experiment Stations

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California
(continued)

- MORGAN, A. F. (With M. J. HUNT, Univ. Calif.) The vitamin B (B_1) and G (B_2) content of wheat products. Cereal Chem. 12: 411-418. July 1935.
----- (With H. FREDERICK, Univ. Calif.) Vitamin B (B_1) in bread as affected by baking. Cereal Chem. 12: 390-401. July 1935.
MUDGE, C. S., and SMITH, F. R. Nutritional factors of *S. lactis*. Soc. Expt. Biol. and Med. Proc. 32: 672-674. Feb. 1935.
NICHOLS, P. F. Prune moisture content and processing. Fruit Prod. Jour. and Amer. Vinegar Indus. 14: 211-213, 215; 240-241, 253; 332-334, 342; 370-372, 381. March, April, July, Aug. 1935.
PHILLIPS, C. A. Bitter flavor in cheddar cheese made from pasteurized milk. Jour. Dairy Sci. 18: 471-472. July 1935. (Abstract)
WHEELER, C. M., HERMS, W. B., and MEYER, K. F. A new tick vector of relapsing fever in California. Soc. Expt. Biol. and Med. Proc. 32: 1290-1292. May 1935.
WYMORE, F. H. A species of ant becomes destructive to bees when apiary is placed in their territory. Calif. Dept. Agr. Mo. Bul. 24: 220. April, May, June, 1935.

Connecticut (State)

- JONES, D. F., and HUNTINGTON, E. Further comments on adaptation of corn to climate. Jour. Amer. Soc. Agron. 27: 682-683. Aug. 1935. (Note)

Florida

- BECKER, R. B. Permanent records in the station herd. Jour. Dairy Sci. 18: 449. July 1935. (Abstract)
NELLER, J. R., and ALLISON, R. V. A machine for the subsurface treatment of soils with chloropicrin and with carbon bisulfide for nematode control under field conditions. Soil Sci. 40: 173-179. Aug. 1935.

Idaho

- WOODS, E. [and others] Vitamin A content of pasture plants. II. Timothy (*Phleum pratense* L.) and red top (*Agrostis alba* L.) under pasture conditions and fed green. Jour. Dairy Sci. 18: 547-556. Aug. 1935.

Illinois

- GRAHAM, R. Direct isolation of pasteurilla-like microorganisms from brains of horses suffering from so-called cornstalk disease. Science n.s. 81: 287-288. April 19, 1935. (Special articles)
HUDELSON, R. R. Agricultural college courses for rural appraisers. Jour. Farm Econ. 17: 501-512. Aug. 1935.
JOHNSTON, P. E. Effect of agricultural planning on farm management in the corn belt. Jour. Farm Econ. 17: 529-538. Aug. 1935.
TUCKEY, S. L., RUEHE, H. A. (With G. L. CLARK, Univ. Ill.) Structural changes occurring in casein during cheese ripening as shown by X-ray diffraction studies. Jour. Dairy Sci. 18: 461-462. July 1935. (Abstract)
WINTERS, E., and WASCHER, H. Local variability in the physical composition of Wisconsin drift. Jour. Amer. Soc. Agron. 27: 617-622. Aug. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Indiana

- DAVIS, J. J. The common insect pests confront tomato canners. Canning Age 16: 351-352. Aug. 1935.
- DIAMOND, V. R. Barium fluosilicate as a control for cabbage worms (*Pieris rapae* L.) Jour. Econ. Ent. 28: 714-715. Aug. 1935.
- HILTON, J. H., WILBUR, J. W., and HAUGE, S. M. The vitamin A activity of butter produced by cows fed alfalfa hay and soybean hay cut in different stages of maturity. Jour. Dairy Sci. 18: 434. July 1935. (Abstract)
- HORRALL, B. E. Technic, examination and reporting extraneous matter in butter. Jour. Dairy Sci. 18: 478-479. July 1935. (Abstract)
- PARFITT, E. H. Range of hydrogen-ion concentration in sour cream butter. Jour. Dairy Sci. 18: 455. July 1935. (Abstract)
- PREWITT, E., and PARFITT, E. H. Effects of feeds on oxidized flavors in pasteurized milk. Jour. Dairy Sci. 18: 468. July 1935. (Abstract) (E. Prewitt, Purdue Univ.)
- TROTH, M. S., and MARSHALL, G. E. The cost of controlling apple insects and diseases, with special reference to the codling moth. Jour. Econ. Ent. 28: 698-701. Aug. 1935.
- WILBUR, J. W., and HILTON, J. H. The effect of soybeans on the fat content of milk. Jour. Dairy Sci. 18: 443-444. July 1935. (Abstract)

Iowa

- AYRES, Q. C. Cost of terracing in Iowa. Agr. Engin. 16: 317-318. Aug. 1935.
- BENNETT, L. J. The 1934 spring migration of shore birds through Clay and Palo Alto counties, Iowa. Iowa State Col. Jour. Sci. 9: 609-616. July 1935.
- DEAN, H. L., and WALKER, R. H. A comparison of glass and quinhydrone electrodes for determining the pH of some Iowa soils. III. The change in pH of the soil-water mixture with time. Jour. Amer. Soc. Agron. 27: 585-595. Aug. 1935.
- DECKER, G. C. The parasites of some lepidopterous stalk borers in Iowa. Iowa State Col. Jour. Sci. 9: 567-580. July 1935.
- ERRINGTON, P. L., and HAMERSTROM, F. N., jr. Bob-white winter survival on experimentally shot and unshot areas. Iowa State Col. Jour. Sci. 9: 625-639. July 1935.
- ERRINGTON, P. L. The significance of food habits research in wild life management. Science n.s. 81: 378-379. April 19, 1935. (Discussion)
- ERWIN, A. T. Alegria - a popping seed used in Mexico as a substitute for pop corn (*Amaranthus caudatus* L. var. *leucospermus* Th.) Iowa State Col. Jour. Sci. 9: 661-665. July, 1935.
- HABER, E. S., and SWANSON, P. P. The effect of nutritive state on the quantity of vitamin A present in the leaves of *Coleus blumei*. Jour. Agr. Research [U. S.] 51: 75-81. July 1, 1935.
- MURRAY, W. G. Research on rural appraisal problems. Jour. Farm Econ. 17: 491-500. Aug. 1935.
- NEAL, O. R., and WALKER, R. H. Physiological studies on *Rhizobium*. IV. Utilization of carbonaceous materials. Jour. Bact. 30: 173-187. Aug. 1935. (O. R. Neal, Iowa State Col.)

Iowa
(continued)

- OSBURN, O. L., and WERKMAN, C. H. Utilization of agricultural wastes. II. Influence of nitrogenous substrate on production of butyl and isopropyl alcohols by *Clostridium butylicum*. *Indus. and Engin. Chem.* 27: 416-419. April 1935. (O. L. Osburn, U. S. Dept. Agr.)
- SCHICKELE, R. Economic implications of erosion control in the corn belt. *Jour. Farm Econ.* 17: 433-448. Aug. 1935.
- SHEPHERD, G. Competition and oligopoly. *Jour. Farm Econ.* 17: 575-579. Aug. 1935. (Note)
- SPAWN, G. B. The 1934 fall migration of shore birds through Clay and Palo Alto counties, Iowa. *Iowa State Col. Jour. Sci.* 9: 617-624. July 1935.
- STAHLY, G. L., MICHAELIAN, M. B., WERKMAN, C. H., and HAMMER, B. W. The disappearance of acetylmethylcarbinol and diacetyl in butter cultures. *Jour. Dairy Sci.* 18: 473-474. July 1935. (Abstract) (G. L. Stahly, Iowa State Col.)
- TATE, H. D. Intracellular abnormalities associated with yellow dwarf of onions. *Iowa State Col. Jour. Sci.* 9: 677-683. July 1935.
- WILSON, J. L. THOMAS, B. H., and CALTON, C. Y. The dietary requirements of goats for vitamin E (A progress report). *Jour. Dairy Sci.* 18: 431-432. July 1935. (Abstract)

Kansas

- CAVE, H. W., RIDDLE, W. H., and HUGHES, J. S. The digestibility and feeding value of Russian thistle hay. *Jour. Dairy Sci.* 18: 442-443. July 1935. (Abstract)
- GRIMES, W. E. Agricultural planning and farm management in the wheat belt. *Jour. Farm Econ.* 17: 547-552. Aug. 1935.
- IBSEN, H. L., and CAVE, H. W. A review of color inheritance in dairy cattle. *Jour. Dairy Sci.* 18: 430-431. July 1935. (Abstract)
- METZGER, W. H. The residual effect of alfalfa cropping periods of various lengths upon the yield and protein content of succeeding wheat crops. *Jour. Amer. Soc. Agron.* 27: 653-659. Aug. 1935.
- PAINTER, R. H., and GRANDFIELD, C. O. Preliminary report on resistance of alfalfa varieties to pea aphids, *Illinoia pisi* (Kalt). *Jour. Amer. Soc. Agron.* 27: 671-674. Aug. 1935. (Cooperating with U. S. Dept. Agr.)
- PARKER, J. H. Rust. *Northwestern Miller* 183: 237, 247. July 24, 1935.
- RIDDELL, W. H., WHITNAH, C. H., and HUGHES, J. S. Influence of the ration on the vitamin C content of milk. *Jour. Dairy Sci.* 18: 437. July 1935. (Abstract)

Kentucky

- EDDY, C. O., VALLEAU, W. D. (With W. W. MAGILL) Apple spray schedule. *Ky. State Hort. Soc. Trans.* 79(1934): 191-193. [1935]
- Grape leafhopper control in Kentucky. *Ky. State Hort. Soc. Trans.* 79(1934): 165-168. 1935.
- VALLEAU, W. D. (With W. W. MAGILL) Grape sprays. *Ky. State Hort. Soc. Trans.* 79(1934): 196-200. [1935]
- Spray program for fruit insect control in 1935. *Ky. State Hort. Soc. Trans.* 79(1934): 134-140. [1935]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Kentucky
(continued)

- EDDY, C.O., VALLEAU, W. D. (With W. W. MAGILL) Spraying peaches and plums. Ky. State Hort. Soc. Trans. 79(1934): 193-196. [1935]
----- and HILLENMEYER, L. Thrips injury to peach nursery stock. Ky. State Hort. Soc. Trans. 79(1934): 161-164. [1935]
JEWETT, H. H. The resistance of leaves of some pubescent red clovers to puncturing. Jour. Econ. Ent. 28: 697-698. Aug. 1935.
MORRISON, H. B., and HULL, F. E. Studies on aseptically drawn milk from Bang's disease positive and Bang's disease negative cows. Jour. Dairy Sci. 18: 470-471. July 1935. (Abstract) (H. B. Morrison, Univ. Ky.)
OLNEY, A. J. How much water do trees need? Ky. State Hort. Soc. Trans. 79(1934): 61-66. [1935]
OYLER, M. Contracts of rural people in organization meetings. Jour. Farm Econ. 17: 583-585. Aug. 1935. (Note)
VALLEAU, W. D. Fruit sprays for 1935. Ky. State Hort. Soc. Trans. 79 (1934): 143-146. [1935]

Louisiana

- LUSH, R. H. Experimental cottonseed meal ration plus silage versus herd ration, hay, and silage feeding. Jour. Dairy Sci. 18: 441-442. July 1935. (Abstract)
SAVILLE, R. J. Agricultural planning and farm management in the cotton belt. Jour. Farm Econ. 17: 539-546. Aug. 1935.

Maryland

- BERRY, M. H. Variations in the curd tension of the milk throughout the complete lactation period. Jour. Dairy Sci. 18: 458. July 1935. (Abstract)

Massachusetts

- ARCHIBALD, J. G., and BENNETT, E. The phosphorus requirements of dairy heifers. Jour. Agr. Research [U. S.] 51: 83-96. July 1, 1935.
FRANDSEN, J. H. Comparative efficiency of electrically operated tanks versus ice in the cooling of milk. Jour. Dairy Sci. 18: 479-480. July 1935. (Abstract)
MUELLER, W. S. (With M. J. MACK and H. G. LINQUIST, Mass. State Col.) Some factors affecting the properties of whipped cream. Jour. Dairy Sci. 18: 466-467. July 1935.

Michigan

- BECHTEL, H. E., HALLMAN, E. T., and HUFFMAN, C. F. The pathology of rickets in dairy calves. Jour. Dairy Sci. 18: 432-433. July 1935. (Abstract)
BOUYOCOS, G. J. A comparison between the suction method and the centrifuge method for determining the moisture equivalent of soils. Soil Sci. 40: 165-171. Aug. 1935.
FABIAN, F. W. The use of honey in making fermented drinks. Fruit Prod. Jour. and Amer. Vinegar Indus. 14: 363-366, 377. Aug. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Michigan (continued)

- GOULD, I. A., and TROUT, G. M. The effect of homogenization on some of the fat constants of milk. Jour. Dairy Sci. 18: 456. July 1935. (Abstract)
- HUFFMAN, C. F., and DUNCAN, C. W. A preliminary study of the vitamin D requirement of calves when fed natural milk as the source of this vitamin. Jour. Dairy Sci. 18: 432. July 1935. (Abstract)
- Vitamin D studies in cattle. I. The antirachitic value of hay in the ration of dairy cattle. Jour. Dairy Sci. 18: 511-526. Aug. 1935.
- MOORE, L. A., HUFFMAN, C. F., and DUNCAN, C. W. Blindness in cattle of nutritional origin associated with constriction of the optic nerve. Jour. Dairy Sci. 18: 435. July 1935. (Abstract)
- TOENJES, W. Comparison of clean culture and sod in a sour cherry orchard. Midwest Fruitman 9: 5, 8, 10. July-Aug. 1935.

Minnesota

- ARONOVSKY, S. I., and GORTNER, R. A. The cooking process. VIII. Volatile organic acids by the saponification of aspen wood. Indus. and Engin. Chem. 27: 451-454. April 1935.
- BAILEY, C. H. Report of the Committee on definitions of technical terms. Cereal Chem. 12: 431-432. July 1935.
- COLE, C. L. Changes in weight of new-born calves as related to the method of feeding. Jour. Dairy Sci. 18: 466-447. July 1935. (Abstract)
- HILL, O. J., and PALMER, L. S. The thiocyanogen value as a means of measuring unsaturated fatty acids in butterfat. Jour. Dairy Sci. 18: 455-456. July 1935. (Abstract) (O. J. Hill, State Col. of Wash.)
- HOFFMANN, C. H. Biological notes of *Ataenius cognatus* (Lec.), a new pest of golf greens in Minnesota (Scarabaeidae - Coleoptera). Jour. Econ. Ent. 28: 666-667. Aug. 1935.
- HUTT, F. B., and BOYD, W. L. Idiopathic hypoparathyroidism and tetany in the fowl. Endocrinology 19: 398-402. July-Aug. 1935.
- KAUFERT, F. The production of asexual spores by *Pleurotus corticatus*. Mycologia 27: 333-341. July-Aug. 1935.
- POND, G. A. Agricultural planning and farm management in the dairy regions of the middle western states. Jour. Farm Econ. 17: 562-567. Aug. 1935.
- SKOVHOLT, O., and BAILEY, C. H. The effect of mixing and fermentation upon the protein structure and colloidal properties of doughs. Cereal Chem. 12: 307-320. July 1935.
- Free and bound waters in bread doughs. Cereal Chem. 12: 321-355. July 1935.
- WILCOX, A. N. Garden shows in England. Minn. Hort. 63: 123-124. Aug. 1935.

Missouri

- GARDNER, W. U., GOMEZ, E. T., and TURNER, C. W. Further studies of the effects of the estrogenic and the galactopoietic hormones upon the mammary gland of the rabbit. Amer. Jour. Physiol. 112: 673-683. Aug. 1, 1935. (W. U. Gardner and E. T. Gomez, Yale Univ.)
- HAMMAR, C. H., and MUNTZEL, J. H. Intensity of land use and the resettlement problem in Missouri. Jour. Farm Econ. 17: 409-422. Aug. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Missouri
(continued)

- NELSON, W. O., TURNER, C. W., and OVERHOLSER, M. D. The effect of lactogenic hormone preparations on the blood sugar level of rabbits and monkeys. Amer. Jour. Physiol. 112: 714-717. Aug. 1, 1935.
- REINEKE, E. P., and TURNER, C. W. The involution of the mammary gland. Jour. Dairy Sci. 18: 429-430. July 1935. (Abstract)

Montana

- RENNE, R. R. Significance of the ownership pattern to land use planning. Jour. Farm Econ. 17: 423-432. Aug. 1935.

Nebraska

- DAVIS, H. P. A basic curriculum for an agricultural college. Jour. Dairy Sci. 18: 490-491. July 1935. (Abstract)
- Building a course in dairy husbandry. Jour. Dairy Sci. 18: 491-492. July 1935. (Abstract)
- DOWNS, P. A. Effect of mastitis upon milk quality and composition. Jour. Dairy Sci. 18: 458-460. July 1935. (Abstract)
- HATHAWAY, I. L., and DAVIS, H. P. The vitamin A content of sour cream butter, sweet cream butter and margarine. Jour. Dairy Sci. 18: 478. July 1935. (Abstract)
- REICHART, E. L. Experiments with canned cheddar cheese. Jour. Dairy Sci. 18: 477-478. July 1935. (Abstract)

New Jersey

- SPRAGUE, H. B. The adaptation of corn to climate. Jour. Amer. Soc. Agron. 27: 680-681. Aug. 1935. (Note)
- WHITE, R. P. Pestalotia spp. on Aucuba, Cibotium and Leucothoe. Mycologia 27: 342-346. July-Aug. 1935.

New York (Cornell)

- KNAYSI, G. A microscopic method of distinguishing dead from living bacterial cells. Jour. Bact. 30: 193-206. Aug. 1935.
- SAFFORD, C. E., and STARK, C. N. The advantages of skim-milk agar for the determination of the sanitary quality of market milk. Jour. Dairy Sci. 18: 539-546. Aug. 1935. (C. E. Safford, State food laboratory, Dept. Agr. and Markets, Albany, N. Y.)
- SHARP, P. F., and STRUBLE, E. B. Period of lactation and the direct titratable chloride value of milk. Jour. Dairy Sci. 18: 527-538. Aug. 1935.

New York (State)

- BREED, R. S. Standard laboratory methods for the control of dairy products. Jour. Dairy Sci. 18: 475. July 1935. (Abstract)
- DANIEL, D. M. Hyperplatys asperus Say attacking peach. Jour. Econ. Ent. 28: 727. Aug. 1935. (Scientific note)
- HENING, J. C. The standardization of the Borden Body Flow Meter for determining the apparent viscosity of cream. Jour. Dairy Sci. 18: 465. July 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

New York (State)
(continued)

- HERVEY, G. E. R., and PALM, C. E. A preliminary report on the response of the European corn borer to light. Jour. Econ. Ent. 28: 670-675. Aug. 1935.
HUCKER, G. J. The detection and control of bovine mastitis. Jour. Dairy Sci. 18: 469-470. July 1935. (Abstract)

North Dakota

- DICE, J. R. The nutrients required by dairy cows kept in an open shed vs. cows kept in a dairy barn. Jour. Dairy Sci. 18:447-448. July 1935. (Abstract)

Ohio

- PERKINS, A. E. Extremes in protein feeding; bearing of the results on the protein-feeding standard. Jour. Dairy Sci. 18: 445-446. July 1935. (Abstract)
SALTER, R. M. The direct use of superphosphate. Amer. Fert. 83: 7-10, 22, 24, 26. Aug. 10, 1935.
YOUNG, H. C. Bitter rot may become serious apple disease. Midwest Fruitman 9: 6. July-Aug. 1935.

Oklahoma

- DANIEL, H. A., and HARPER, H. J. The relation between effective rainfall and total calcium and phosphorus in alfalfa and prairie hay. Jour. Amer. Soc. Agron. 27: 644-652. Aug. 1935.
FOUTS, E. L., and KEITH, J. I. Frequent quizzes in teaching dairy elements. Jour. Dairy Sci. 18: 492-493. July 1935. (Abstract)
GALLUP, W. D., KEITH, J. I., and KUHLMAN, A. H. Methods of studying feed effects on the physical properties of butterfat. Jour. Dairy Sci. 18: 468-469. July 1935. (Abstract)
KEITH, J. I. [and others] Effect of a heavy cottonseed meal ration on milk and butter. Jour. Dairy Sci. 18: 469. July 1935. (Abstract)
----- RINK, C. W., and WEAVER, E. Effects of some ions on the properties of ice cream mixes. Jour. Dairy Sci. 18: 451-452. July 1935. (Abstract)
----- An experimental ice cream freezing unit. Jour. Dairy Sci. 18: 481. July 1935. (Abstract)
KUHLMAN, A. H., GALLUP, W. D., and WEAVER, E. Caratone in rations for dairy calves. Jour. Dairy Sci. 18: 434-435. July 1935. (Abstract)
KUHLMAN, A. H. Formulae for calculating rations for milk cows. Jour. Dairy Sci. 18: 448-449. July 1935. (Abstract)
WEAVER, E., FOUTS, E. L., and MCGILLIARD, P. C. Frequency of the flavor defects in milk. Jour. Dairy Sci. 18: 467-468. July 1935.

Pennsylvania

- BECHEL, S. I. (With S. R. SKAGGS, Penn. State Col.) A study of the malnutrition incident to the heavy feeding of cottonseed meal. Jour. Dairy Sci. 18: 435-436. July 1935. (Abstract)
DAHLE, C. D., WELCH, R. C., and SHAW, A. O. The use of plastic cream in making whipping cream. Milk Plant Mo. 24: 27-30. Aug. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Pennsylvania
(continued)

- DOAN, F. J. Tests for the presence of sugar and salt in milk and cream. Penn. Assoc. Dairy and Milk Inspectors Rpt. 10(1934): 47-55. [c1934]
- DUTCHER, R. A. Can we increase the vitamin content of milk? Penn. Assoc. Dairy and Milk Inspectors Rpt. 10(1934): 91-96. [c1934]
- FREAR, D. E. H., and WORTHLEY, H. N. Study of the removal of spray residues from apples. Jour. Agr. Research [U. S.] 51: 61-74. July 1, 1935.

South Carolina

- ELTING, E. C. Molasses as a preserving agent in making soybean silage. Jour. Dairy Sci. 18: 440. July 1935. (Abstract)

South Dakota

- HUME, A. N. Observations upon yields of staple crops over a period of nineteen years at Highmore experiment farm. S. Dak. Acad. Sci. Proc. (1928-1934): 12-15. Aug. 2, 1935.
- HUTTON, J. G. The return of the desert. S. Dak. Acad. Sci. Proc. (1928-1934): 29-35. Aug. 2, 1935.
- KELLOGG, M. A comparison of three methods of determining presence of experimental scurvy in guinea pigs in order to obtain results more quickly. S. Dak. Acad. Sci. Proc. (1928-1934): 54-56. Aug. 2, 1935.
- KLAGES, K. H. The use of growth curves for the evaluation of seasons encountered throughout long time field plot experiments. S. Dak. Acad. Sci. Proc. (1928-1934): 56-60. Aug. 2, 1935.
- PATY, R. L. Rammed earth in building construction. S. Dak. Acad. Sci. Proc. (1928-1934): 61-68. Aug. 2, 1935.

Texas

- PAULSON, W. E. Freight rates and minimum weight requirements as factors in mixed carload shipments of vegetables from the Lower Rio Grande Valley. Jour. Farm Econ. 17: 459-468. Aug. 1935.

Utah

- GREAVES, J. E. Can Azotobacter chroococcum synthesize vitamin D? Jour. Bact. 30: 143-148. Aug. 1935.
- MADSEN, D. E. Equine encephalomyelitis (brain fever of horses) The Horse 16: 17. July-Aug. 1935.

West Virginia

- TAYLOR, J. R., and PIERRE, W. H. Non-acid-forming mixed fertilizers. I. Their effect on certain chemical and biological changes in the soil-fertilizer zone and on plant growth. Jour. Amer. Soc. Agron. 27: 623-641. Aug. 1935.
- THURSTON, L. M. (With W. C. BROWN, Univ. Va.) The application of the Minnesota Babcock method to the testing of ice cream, concentrated milk and chocolate milk. Jour. Dairy Sci. 18: 464. July 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

West Virginia (continued)

VAN LANDINGHAM, A. H., HENDERSON, H. O., and BOWLING, G. A. Studies on the chemical composition of the blood of dairy cattle. I. The effect of age and phosphorus intake on the calcium and inorganic phosphorus content of whole blood of dairy heifers. Jour. Dairy Sci. 18: 557-572. Aug. 1935.

Wisconsin

- BAUMANN, C. A., RIISING, B. M., and STEENBOCK, H. Fat soluble vitamins. XL. the growth method of determining vitamin A. Ztschr. Vitaminforsch. 3: 81-89. April 1934.
- CORBETT, W. J., FRAZIER, W. C., and PRICE, W. V. Study of a gassy defect in cream cheese. Jour. Dairy Sci. 18: 472-473. July 1935. (Abstract) (W. J. Corbett, Univ. Wis.)
- HAYDAK, M. H. Brood rearing by honeybees confined to a pure carbohydrate diet. Jour. Econ. Ent. 28: 657-660. Aug. 1935.
- MCCARTER, J., and HASTINGS, E. G. Cultivation of the Johne's bacillus in a synthetic medium. Soc. Expt. Biol. and Med. Proc. 32: 741-743. Feb. 1935. (J. McCarter, Univ. Wis.)
- MORELL, S., BAUR, L., and LINK, K. P. Derivatives of d-galacturonic acid. II. The synthesis of a-acetobromo-d-galacturonic acid methyl ester and its conversion to b-methyl-d-galacturonide. Jour. Biol. Chem. 110: 719-725. Aug. 1935.
- NEAL, N. P. The decrease in yielding capacity in advanced generations of hybrid corn. Jour. Amer. Soc. Agron. 27: 666-670. Aug. 1935.
- NIEMANN, C., ROBERTS, R. H., and LINK, K. P. The isolation and characterization of a starch polysaccharide from the woody tissue of the apple tree (Malus malus). Jour. Biol. Chem. 110: 727-737. Aug. 1935.
- RIKER, R. S., and JONES, L. R. Fusarium strains in relation to wilt of China aster. Phytopathology 25: 733-747. Aug. 1935.
- ROUNDY, Z. D., and PRICE, W. V. Acidity in the manufacture of cream cheese. Jour. Dairy Sci. 18: 475-476. July 1935. (Abstract) (Z. D. Roundy, Univ. Wis.)
- RUPEL, I. W., BOHSTEDT, G., and HART, E. B. The effect of quality and level of protein intake upon growth and milk production. Jour. Dairy Sci. 18: 444-445. July 1935. (Abstract)
- SOMMER, H. H. Effect of high aging temperatures on ice cream mix. Ice Cream Rev. 19: 44-45. Aug. 1935.
- Frozen brines as refrigerants for ice cream in cabinets and shipping containers. Jour. Dairy Sci. 18: 480-481. July 1935. (Abstract)
- (With H. MATSEN, Univ. Wis.) The relation of mastitis to the rennet coagulability and strength of milk. Jour. Dairy Sci. 18: 460-461. July 1935. (Abstract)
- THOMSEN, L. C. Methods for testing condensing pans. Jour. Dairy Sci. 18: 481-482. July 1935. (Abstract)
- VASS, A. F. Agricultural planning and farm management in the range territory. Jour. Farm Econ. 17: 553-561. Aug. 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1935

Alabama

- Food preservation. M. Garrett. (Ala. Poly. Inst., Ext. Circ. 149.) Auburn, 1935.
Crimson clover. J. C. Lowery. (Ala. Poly. Inst., Ext. Pamphlet 7, rev.)
Auburn, 1935.
The New Deal and the Alabama farmer. L. N. Duncan. (Ala. Poly. Inst. Ext.
Pamphlet 8.) Auburn, 1934.
Subsistence gardening. (Ala. Poly. Inst. Ext. Pamphlet 9.) Auburn, 1935.
Cottonseed meal, a good feed for horses and mules. J. G. Grimes. (Ala. Poly.
Inst. Ext. Pamphlet 10.) Auburn, 1935.

California

- Pork production in California. E. H. Hughes and L. W. Feldmiller. (Calif. Agr.
Col. Ext. Circ. 15, rev.) Berkeley, 1935.

Colorado

- Canning in Colorado homes: Canning vegetables. R. McCammon. (Colo. Agr. Col.
Ext. Bul. 337-A.) Fort Collins, 1935.
Canning in Colorado homes: Canning fruits. R. McCammon. (Colo. Agr. Col.
Ext. Bul. 338-A.) Fort Collins, 1935.
Canning in Colorado homes: Canning meats. R. McCammon. (Colo. Agr. Col. Ext.
Bul. 339-A.) Fort Collins, 1935.
Cutworm control. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ. 88-A)
Fort Collins, 1935.
Grasshopper control. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ. 89-A)
Fort Collins, 1935.
Melon and cucumber-aphis control. S. C. McCampbell. (Colo. Agr. Col. Ext.
Circ. 90-A.) Fort Collins, 1935.
Onion-thrips control. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ. 91-A.)
Fort Collins, 1935.
Cucumber-beetle control. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ. 92-A.)
Fort Collins, 1935.
Squash-bug control. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ. 93-A.)
Fort Collins, 1935.
False wireworms. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ. 94-A.)
Fort Collins, 1935.
How to control spider mites. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ.
95-A.) Fort Collins, 1935.
Mexican bean-beetle control. S. C. McCampbell. (Colo. Agr. Col. Ext. Circ. 96-A.)
Fort Collins, 1935.
Keeping the farm at home. C. D. Leonard and T. G. Stewart. (Colo. Agr. Col.
Ext. Circ. 97-A.) Fort Collins, 1935.

Connecticut

- Home preservation of meat. M. E. Dakin and W. B. Young. (Conn. State Col.
Ext. Bul. 217.) Storrs, 1935.
Vaccinate against fowl pox. R. E. Jones. (Conn. State Col. Ext. Bul. 218.)
Storrs, 1935.
Revision of Bul. 207.
Home canning. M. E. Dakin and E. Trabue. (Conn. State Col. Ext. Bul. 219.)
Storrs, 1935.
Revision of Bul. 171.

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Idaho

- Brooding and pullet development. P. Moore and others. (Idaho Univ. Agr. Col. Ext. Bul. 96.) Moscow, 1934.
Revision of Ext. Bul. 84.
Suggested program and instructions for Idaho 4-H dairy clubs. D. L. Fount. (Idaho Univ. Agr. Col. Ext. Bul. 97.) Moscow, 1935.
Revision of Ext. Bul. 82.
Housing farm poultry. P. Moore and others. (Idaho Univ. Agr. Col. Ext. Bul. 99.) Moscow, 1935.

Indiana

- Fighting insects in the vegetable garden. J. J. Davis. (Purdue Univ. Dept. Agr. Ext. Bul. 186, 2d rev. ed.) Lafayette, 1935.
Pasture improvement in Indiana. K. E. Beeson and M. O. Pence. (Purdue Univ. Dept. Agr. Ext. Bul. 205.) Lafayette, 1935.
Safeguarding the farmer's market for cream. V. C. Manhart. (Purdue Univ. Dept. Agr. Ext. Leaflet 197.) Lafayette, 1935.

Iowa

- The Iowa feed and livestock situation. J. A. Hopkins and E. L. Cady. (Iowa State Col. Ext. Circ. 208.) Ames, 1934.
The adjustment and repair of grain binders. M. A. Sharp and B. T. Virtue. (Iowa State Col. Ext. Circ. 209.) Ames, 1934.
Sources of farm credit in Iowa. W. G. Murray and H. L. Eichling. (Iowa State Col. Ext. Circ. 210.) Ames, 1934.
Alfalfa in Iowa. H. D. Hughes and others. (Iowa State Col. Ext. Circ. 211.) Ames, 1935.
Control of American fowlbrood. F. B. Paddock. (Iowa State Col. Ext. Circ. 212.) Ames, 1935.
Controlling chinch bugs in Iowa. C. J. Drake and others. (Iowa State Col. Ext. Circ. 213.) Ames, 1935.
4-H canning for good nutrition. Revised by H. J. Swinney. (Iowa State Col. Ext. Nutrition Booklet [unnumbered]) Ames, 1935.
Modern trends in bread making. H. J. Swinney. (Iowa State Col. Ext. Nutrition Leaflet [unnumbered]) Ames, 1935.

Kansas

- Marketing problems of farmers' elevators in Kansas. R. M. Green and V. M. Rucker. (Kans. State Col. Ext. Circ. 106.) Manhattan, 1934.
To the ear of the listener. Suggestions for radio speakers. H. B. Summers. (Kans. State Col. Ext. M Circ. 5.) Manhattan, 1935. Mimeographed.
Nature's byways. E. G. Kelly. (Kans. State Col. Ext. M Circ. 6.) Manhattan, 1935. Mimeographed.
Living with plants. An outline for agronomic study at 4-H club camps. E. A. Cleavinger. (Kans. State Col. Ext. M Circ. 7.) Manhattan, 1935. Mimeographed.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1935
(Continued)

Kentucky

- Hotbeds and cold frames. J. S. Gardner. (Ky. Agr. Col. Ext. Circ. 276.)
Lexington, 1935.
- Farm accounts and budgets aid farm management. R. E. Proctor. (Ky. Agr. Col.
Ext. Circ. 277.) Lexington, 1935.
- Annual report for the year ended December 31, 1934. T. R. Bryant. (Ky. Agr.
Col. Ext. Circ. 278.) Lexington, 1935.

Maryland

- The girl's room, arrangement and care, first year. F. H. Mason. (Md. Univ.
[Agr.] Ext. Bul. 61, rev.) College Park, 1935.

Massachusetts

- Beauty in hooked rugs. G. B. Gerard. (Mass. State Col. Ext. Leaflet 156.)
Amherst, 1935.
- Fish and shellfish. M. E. Foley. (Mass. State Col. Ext. Leaflet 157.)
Amherst, 1935.

Michigan

- Homemade pickles and relishes. R. Hershey. (Mich. State Col. Ext. Bul. 145.)
East Lansing, 1935.

Minnesota

- Tailored details for wash fabrics. (Minn. Univ. Agr. Ext. Form HC 6.) University
Farm, St. Paul, 1934.
- Making use of clothing on hand. (Minn. Univ. Agr. Ext. Form HC-17.) University
Farm, St. Paul, 1934.
- A convenient clothes closet. (Minn. Univ. Agr. Ext. Form HC-31.) University
Farm, St. Paul, 1934.
- Caning chairs. M. M. Miller. (Minn. Univ. Agr. Ext. Form HM 51.) University
Farm, St. Paul, 1935.
- Making slip covers. M. M. Miller. (Minn. Univ. Agr. Ext. Form HM-55.)
University Farm, St. Paul, 1935.
- The 4-H club pig project. Pig raising for club members. H. S. Zavoral.
(Minn. Univ. Agr. Ext., Minn. Boys' and Girls' Clubs, Bul. 2 [rev.])
University Farm, St. Paul, 1934.
- Clothing project, first year requirements for clothing club members. M. Schenck
and A. Wessel. (Minn. Univ. Agr. Ext., Minn. Boys' and Girls' Clubs Bul. 4,
rev.) University Farm, St. Paul, 1935.
- Clothing project, second year, School girls' cotton or linen outfit. M. Schenck
and A. Wessel. (Minn. Univ. Agr. Ext., Minn. Boys' and Girls' Clubs Bul. 5,
rev.) University Farm, St. Paul, 1934.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1935

Minnesota
(continued)

- The 4-H club sheep project. How to succeed. W. E. Morris. (Minn. Univ. Agr. Ext., Minn. Boys' and Girls' Clubs Bul. 11 [rev.]) University Farm, St. Paul, 1934.
- Oats in Minnesota. H. K. Hayes and others. (Minn. Univ. Agr. Ext., Spec. Bul. 165, rev.) University Farm, St. Paul, 1935.

Missouri

- Homemade rugs. J. M. Rocheford. (Mo. Agr. Col. Ext. Circ. 326.) Columbia, 1935.
- Manual for home economics extension clubs. E. M. Heyle. (Mo. Agr. Col. Ext. Proj. Annlunc. 33.) Columbia, 1935.

Montana

- School clothes club. Second year 4-H club clothing. M. G. Euren. (Mont. State Col. Ext. Bul. 142.) Bozeman, 1934.
- Montana honor roll dairymen tell their stories. J. O. Tretsven. (Mont. State Col. Ext. Bul. 143.) Bozeman, 1935.
- Health, the fourth H. P. Bunting. (Mont. State Col. Ext. Bul. 144.) Bozeman, 1935.
- How to develop 4-H club demonstrations. Revised by P. Bunting. (Mont. State Col. Ext. Bul. 145.) Bozeman, 1935.
- Mormon cricket control. F. T. Cowan. (Mont. State Col. Ext. Bul. 146.) Bozeman, 1935.
- Everyday courtesies for 4-H club members. Revised by P. Bunting. (Mont. State Col. Ext. Bul. 147.) Bozeman, 1935.
- Crested wheatgrass. A hardy perennial pasture crop for Montana. S. Sloan, (Mont. State Col. Ext. Circ. 66.) Bozeman, 1934.
- Prevent smut in spring-planted cereals. H. E. Morris and S. L. Sloan. (Mont. State Col. Ext. Circ. 71.) Bozeman, 1934.
- Montana farm house plans. (Mont. State Col. Ext. Circ. 72.) Bozeman, 1935.
- Health program suggestions for club leaders. P. Bunting. (Mont. State Col. Ext. Circ. 73.) Bozeman, 1935.
- Sewage disposal for the isolated home. H. E. Murdock. (Mont. State Col. Ext. Circ. 74.) Bozeman, 1935.

Nebraska

- The business side of a club. Part I. M. Brown. (Nebr. Agr. Col. Ext. Circ. 51, rev.) Lincoln, 1935.
- The business side of a club, Part II. M. Brown. (Nebr. Agr. Col. Ext. Circ. 52, rev.) Lincoln, 1935.
- Home tailored accessories. H. Rocke. (Nebr. Agr. Col. Ext. Circ. 458.) Lincoln, 1934.
- Recipes for using liver. F. J. Atwood. (Nebr. Agr. Col. Ext. Circ. 917.) Lincoln, 1934. Mimeographed.
- Home conservation of fruits and vegetables. M. Osborn. (Nebr. Agr. Col. Ext. Circ. 922, rev.) Lincoln, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1935

Nebraska
(continued)

Safety in the home. G. Woodman. (Nebr. Agr. Col. Ext. Circ. 1015.) Lincoln, 1934. Some aids in home nursing. S. P. Ellis. (Nebr. Agr. Col. Ext. Circ. 1020, rev.) Lincoln, 1935.

Mimeographed.

Economical food buying. M. Smith. (Nebr. Agr. Col. Ext. Circ. 1175.) Lincoln, 1934.

Handmade rugs. R. A. Douglass. (Nebr. Agr. Col. Ext. Circ. 1176.) Lincoln, 1934.

Questions and answers on brooding and feeding chicks. J. R. Rodditt. (Nebr. Agr. Col. Ext. Circ. 1456, rev. reprint [i. e. rev.]) Lincoln, 1935.

Toys you can make. A. C. Anderson. (Nebr. Agr. Col. Ext. Circ. 5519.) Lincoln, 1935.

Meat cookery and meat dishes. F. J. Atwood. (Nebr. Agr. Col. Ext. Circ. 9901.) Lincoln, 1934.

Food needs at low cost. F. J. Atwood. (Nebr. Agr. Col. Ext. Circ. 9902.) Lincoln, 1934.

Boys' and girls' 4-H clubs, 1935. (Nebr. Agr. Col. Ext. Circ. 0-01-2, rev.) Lincoln, 1935.

Summer clothes for 4-H girls. A. Wilkens. (Nebr. Agr. Col. Ext. Circ. 4-02-2.[rev]) Lincoln, 1934.

Nebraska summary of home account records from the 1934 books. M. Smith. (Nebr. Agr. Col. Ext. Circ. 11-113.) Lincoln, 1935.

Mimeographed.

Nevada

Keep growing, Nevada nutrition report, 1934-1935. (Nev. Univ. Agr. Ext. [unnumbered]) Reno [1935]

Mimeographed.

New Hampshire

Extension work in New Hampshire, 1934. Annual report of the director of Extension service. J. C. Kendall. (N. H. Univ. [Agr.] Ext. Bul. 48.) Durham, 1935.

Poultry equipment. A. E. Tepper. (N. H. Univ. [Agr.] Ext. Circ. 167.) Durham, 1935.

Farm leases. H. C. Woodworth. (N. H. Univ. [Agr.] Ext. Circ. 168.) Durham, 1935.

The home vegetable garden. J. R. Hepler. (N. H. Univ. [Agr.] Ext. Circ. 170.) Durham, 1935.

New York

Peony growing. A. M. S. Pridham and others. (N. Y. Agr. Col. (Cornell) Ext. Bul. 321.) Ithaca, 1935.

Homemade ice cream, ices and sherbets. W. E. Ayres. (N. Y. Agr. Col. (Cornell) Ext. Bul. 325.) Ithaca, 1935.

A moth-proof, gas-tight closet for the storage of clothing and other woollens. G. W. Herrick and others. (N. Y. Agr. Col. (Cornell) Ext. Bul. 327.) Ithaca, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1935
(continued)

North Carolina

Annual report of agricultural extension work in North Carolina, 1934. North Carolina benefits from agricultural extension work. I. O. Schaub. N. C. Agr. Col. Ext. [unnumbered]) State College Station, Raleigh [1935]

North Dakota

Some suggestions on the use of emergency feeds. (N. Dak. Agr. Col. Ext. Circ. 127.) State College Station, Fargo, 1934.

Oklahoma

Trench silos and how to make them. H. W. McPheters. (Okla. Agr. Col. Ext. Circ. 320.) Stillwater, 1935.

Tennessee

Winter cover crops for pasture and soil conservation. Prepared by the Division of animal industry, Feed and forage crops, and the Farm management department (Tenn. Agr. Col. Ext. Pub. 188.) Knoxville, 1935.
Fall grain on lespedeza sod. (Tenn. Agr. Col. Ext. Pub. 189.) Knoxville, 1935.

Texas

Killing & dressing poultry. Preparing fowls for home and market. P. A. Cunyus. (Tex. Agr. Col. Ext. [Circ.] C-95 [rev.]) College Station, 1935.

Utah

Four-H club demonstration. Myrtle Davidson and D. P. Murray. (Utah Agr. Col. Ext. New Ser. Circ. 55, rev.) Logan, 1935.
Food sanitation in the home. E. Miller. (Utah Agr. Col. Ext. New Ser. Circ. 71.) Logan, 1935.
Tomatoes, their value and uses. E. Miller. (Utah Agr. Col. Ext. New Ser. Circ. 72.) Logan, 1935.
Clean dishes. E. Miller. (Utah Agr. Col. Ext. New Ser. Circ. 74.) Logan, 1935.
Methods for laundering woollen blankets, wool filled quilts and woollen fabrics. E. Agren. (Utah Agr. Col. Ext. New Ser. Circ. 75.) Logan, 1935.
Pressing of wool, silk and rayon fabrics. E. Agren. (Utah Agr. Col. Ext. New Ser. Circ. 76.) Logan, 1935.
4-H boys' and girls' health record and score card. (Utah Agr. Col. Ext. New Ser. Circ. 77.) Logan, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1935
(continued)

Wisconsin

- Foot clothing for all ages. G. Meloche. (Wis. Agr. Col. Ext. Circ. 246, rev.)
Madison, 1934.
- Bang's disease (contagious cattle abortion) - its control and eradication.
W. Wisnicky and others. (Wis. Agr. Col. Ext. Circ. 260, rev.) Madison,
1934.
- The business side of the home demonstration club. (Wis. Agr. Col. Ext.
Spec. Circ. [unnumbered]) Madison 1934.
- Cabbage in old and new ways. L. Mortenson. (Wis. Agr. Col. Ext. Spec.
Circ. [unnumbered] [rev.]) Madison, 1934.
- Color. W. M. Hale. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered])
Madison, 1934. Home Management Series.
- Color. [Continued]. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered])
Madison, 1934.
- The farm garden pays. J. G. Moore. (Wis. Agr. Col. Ext. Spec. Circ.
[unnumbered]) Madison, 1935.
- The feed situation and what can be done about it. (Wis. Agr. Col. Ext.
Spec. Circ. [unnumbered]) Madison, 1934.
- Home grown food supply for a farm family. C. E. Clark. (Wis. Agr. Col.
Ext. Spec. Circ. [unnumbered]) Madison, 1934.
- Let's make a beautiful braided rug. W. M. Hale. (Wis. Agr. Col. Ext. Spec.
Circ. [unnumbered]) Madison, 1934.
Home Management Series.
- Meat canning. Home Economics Extension. (Wis. Agr. Col. Ext. Spec. Circ.
[unnumbered]) Madison, 1934.
- Potatoes, 50 ways for 50 days. A. L. Marlatt. (Wis. Agr. Col. Ext. Spec.
Circ. [unnumbered] [rev.]) Madison, 1935.
- Rural life for Wisconsin young people. A. Boynton and others. (Wis. Agr.
Col. Ext. Spec. Circ. [unnumbered]) Madison, 1935.
Rural Youth and Rural Life Series.
Summary of the topic "Kind of rural life young people want" at the
third State Collegiate country life conference, University of Wisconsin,
May 11, 1935. Mimeographed.
- Seeding alfalfa in 1935. L. F. Graber. (Wis. Agr. Col. Ext. Spec. Circ.
[unnumbered]) Madison, 1935.
- Supplementary feed crops for 1935. G. M. Briggs. (Wis. Agr. Col. Ext.
Spec. Circ. [unnumbered]) Madison, 1935.
- Table service and etiquette. G. Stillman. (Wis. Agr. Col. Ext. Spec. Circ.
[unnumbered] [rev.]) Madison, 1934.
Nutrition Series.

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Librarians as well as students of animal husbandry will be interested in
Circular No. 209 of Purdue University Agricultural Experiment Station en-
titled "The Evolution of the Sirlain", an address by Prof. C. S. Plumb, as
it gives a brief and interesting account of the early English books on
agriculture and animal husbandry. Professor Plumb says that the first
English book devoted to live stock was "The Government of Cattell" by Le-
onard Mascall, first published in 1596.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture,
received during August 1935, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Address of R. G. Tugwell given at the Tompkins county development meeting, Ithaca, New York, Aug. 7, 1935. 8 p.

A personal report of the national forests. By Henry A. Wallace. Aug. 14, 1935. 5 p.

Statement by Henry A. Wallace on the Commodities exchange bill, now pending before the Senate. Aug. 15, 1935. 2 p.

Agricultural Adjustment Administration

Cotton: are we to have a program by and for producers or a program by and for processors and handlers? Excerpts from a speech delivered by Mr. C. A. Cobb. 1935. 13 p. (Current information statement no. 2)

Cotton: facts relating to cotton prices and purchasing power, out-of-pocket cost of production, net farm income from cotton and purchasing power of income, relation of net income from cotton to national income and other data bearing on the cotton farmer's economic position. (Preliminary) 1935. 19 p. (Issued by Program planning division, Agricultural-industrial relations section)

Credits and debits of the cotton program. Address by Chester C. Davis at Delta Day program, Stoneville, Mississippi, Aug. 13, 1935. 17 p.

Development of all licenses and marketing agreements for each area and commodity. 1935. 9 p.

In search of new frontiers. By Henry A. Wallace. 1935. 11 p. (Current information series no. 3) Address at the Biennial convention of the National federation of business and professional women's clubs, Seattle, Wash., July 18, 1935.

Status of all marketing agreements issued by the Agricultural adjustment administration to July 27, 1935. 9 p.

Bureau of Agricultural Economics

Apple exports from Pacific coast ports, season 1934-1935 with comparison. By M. M. Thomas. 1935. 12 p.

Average prices received by farmers for farm products: August 15, 1935, with comparisons. 1935. 14 p. (Issued by Crop reporting board)

A brief general review of the Tennessee tomato season of 1935. 2 p. (In cooperation with Tennessee Dept. of agriculture, Division of markets)

*Bibliographies included in general list of bibliographies on page 366.

**For a list of the principal series issued regularly, see v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics
(Continued)

- Brief review of the 1935 cantaloupe season. 1935. 2 p. (Clemson college extension service, Division of markets, cooperating)
- Brief review of the 1935 cucumber season. 1935. 2 p. (In cooperation with Clemson college extension service, Division of markets)
- Brief review of the 1935 watermelon season. 1935. 2 p. (In cooperation with Clemson college extension service, Division of markets)
- Check list of standards for farm products formulated by the Bureau of agricultural economics. 1935. 7 p. (Issued by Division of economic information)
- France as a market for citrus fruit. 1935. 9 p. (FS - C82) (Issued by Foreign agricultural service)
- General review, Arizona cantaloupe season of 1935. 6 p. (In cooperation with Arizona fruit and vegetable standardization service)
- Income from farm production in the United States, 1934. 1935. v.p.
- Influences that affect costs and returns from the tobacco enterprise on Virginia fire-cured tobacco farms. By A. P. Brodell and W. J. Nuckolls, jr. 1935. 33 p. (Issued by Division of farm management and costs, in cooperation with Virginia polytechnic institute extension service)
- Marketing California grapes, summary of 1934 season, by A. E. Prugh. 1935. 24 p.
- Marketing southeastern watermelons (From Florida, Georgia, Alabama and South Carolina) Summary of 1935 season, by R. Maynard Peterson. 1935. 4 p. (In cooperation with Georgia state bureau of markets and Florida state marketing bureau)
- The midsummer beef cattle outlook, 1935. Released July 25, 1935. 10 p.
- Preliminary review of the 1935 eastern shore potato season. 1935. 5 p. (In cooperation with the Virginia department of agriculture)
- Receipts from the sale of principal farm products, by states, including rental and benefit payments, June 1932-1935 and January-June 1932-1935. 1935. 6 p.
- Review of North Carolina peaches, season of 1935. 1935. 3 p. (In cooperation with North Carolina Dept. of agriculture)
- Review of North Carolina watermelons, season of 1935. 1935. 2 p. (In cooperation with North Carolina Dept. of agriculture, Division of markets)
- Review of the 1935 Imperial valley cantaloupe season. By A. E. Prugh and H. A. Anderson. 1935. 11 p. (In cooperation with California Dept. of agriculture)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics

(Continued)

Revised estimates of potato acreage, yield per acre, and production, 1866-1929. 1935. 57 p. (Joint project of the Division of crop and livestock estimates and Statistical and historical research)

Revised estimates of tobacco acreage, yield per acre and production, 1866-1929. 1935. 29 p. (Joint project of the Division of crop and livestock estimates and Statistical and historical research)

Revised methods for operating the Brown-Duvel moisture tester, by D. A. Coleman and H. C. Fellows. 1935. 4 p. (Issued as a supplement to U. S. Dept. of agriculture, Dept. bulletin, no. 1375)

Rural zoning. By C. I. Hendrickson. 1935. 38 p. (Issued by Division of land economics)

The summer dairy outlook, 1935. Released July 29, 1935. 8 p.

The summer hog outlook, 1935. Released July 22, 1935. 8 p.

The summer poultry and egg outlook. July 18, 1935. 8 p.

The summer sheep, lambs, and wool outlook. Released August 5, 1935. 10 p.

Tax delinquency of rural real estate in 88 Vermont towns, 1928-32. 1935. 9 p. (Issued by Division of agricultural finance)

Tax delinquency of rural real estate in 11 Rhode Island towns, 1928-33. 1935. 10 p. (Issued by Division of agricultural finance)

Tax delinquency of rural real estate in 13 Nebraska counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)

Tax delinquency of rural real estate in 39 Tennessee counties, 1928-33. 1935. 18 p. (Issued by Division of agricultural finance)

Tax delinquency of rural real estate in seven Michigan counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)

Bureau of Agricultural Engineering

The agricultural situation in the irrigation states July 1, 1935. 15 p. (Issued by the Division of irrigation)

Bureau of Animal Industry

The United States national meat inspection service. By E. C. Joss. 1935. 6 p. (Issued by Meat inspection division)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Bureau of Biological Survey

The present plight of the Jackson Hole elk. By H. P. Sheldon, Olaus J. Murie and W. E. Crouch. 1935. 4 p. (Wildlife research and management leaflet BS-12) (Issued by Divisions of public relations, wildlife research and game management)

This year's duck-hunting privileges. A radio talk by Howard Zahniser, delivered during the Conservation day program on the National farm and home hour, Aug. 2, 1935. 3 p.

Bureau of Chemistry and Soils

1934-35 annual Naval stores report on production, distribution, consumption, and stocks of turpentine and rosin of the United States by crop years. Issued July 31, 1935. Compiled by F. P. Veitch and J. E. Lockwood. 1935. 8 p. (In cooperation with the Agricultural adjustment administration)

Bureau of Dairy Industry

Control the fly nuisance on the dairy farm. By R. P. Hotis. Revised slightly Aug. 1935. 2 p. (BIIM-671) (Issued by Division of market-milk investigations)

Bureau of Entomology and Plant Quarantine

A new curculio jarring sheet. By Oliver I. Snapp and J. R. Thomson. 1935. 2 p.

Plant-quarantine import restrictions of the Republic of Brazil. July 19, 1935. 14 p. (B.E.P.Q.-379) (Supersedes P.Q.C.A.-294)

Extension Service

Agricultural economics in extension. By H. M. Dixon. 1935. 6 p. (Address at annual conference of Arkansas extension workers at University of Arkansas, August 7, 1935)

Foreign agricultural extension activities, Australia, Bulgaria, Canada, China, England, Greece, Malay states, Netherland India, New Zealand, Scotland, South Africa, Tasmania, and Wales. Compiled by Extension studies and teaching, M. C. Wilson, in charge. 1935. 23 p. (Extension service circular 216) (Issued by Division of cooperative extension)

Some things to be considered in deciding whether to farm or not. 1935. 20 p. (Farm young people's discussion topic no. 2)

A survey of professional training offered at Land-grant institutions for prospective agricultural extension workers. By Erwin H. Shinn. 1935. 9 p. (Extension service circular 218) (Issued by Division of cooperative extension)

Trends in home economics. By Grace E. Frysinger. 1935. 8 p. (Extension service circular 219) (Issued by Division of cooperative extension)

SEKECTED LIST OF MÍMEOGRAPHED PUBLICATIONS
(continued)

Forest Service

- Crown spread of Allegheny hardwoods. 1935. 1 p. (Allegheny forest experiment station. Technical note no. 7)
- A destructive forest fire and some of its implications. By C. A. Bickford. 1935. 4 p. (Southern forest experiment station. Occasional papers no 46)
- The effect of abnormal weather conditions during 1934 on vegetation in the northeast. By H. F. Morey. 1935. 6 p. (Northeastern forest experiment station. Occasional paper no. 4)
- Forest truck trail handbook. 1935. p. 100-716.
- The forests of Minnesota: areas and types. 1935. 24 numb. 1. (Lake States forest experiment station. Forest survey release no. 1.)
- Lumber manufacturing, wood using and allied associations, 1935. 15 p. (Issued by Office of forest products)
- Match plank and commercial lumber from western white pine logs. By I. V. Anderson. 1935. 3 p. (Northern Rocky mountain forest and range experiment station. Applied forestry notes no. 72)
- Mechanical advances at the Stuart forest nursery. By M. A. Huberman. 1935. 8 p. (Southern forest experiment station. Occasional papers no. 48)
- Methods of cutting ponderosa pine, Payette national forest, Idaho. Plots 1, 2, 3. Progress report, 1931. By Edwin L. Mowat. 1935. 42 p. (Issued by Intermountain forest and range experiment station)
- Methods of cutting ponderosa pine, Salmon national forest, Idaho. Plot no. 1, Progress report, 1931. By Edwin L. Mowat. 1935. 36 p. (Issued by Intermountain forest and range experiment station)
- Notes on the life cycle of the Nantucket tip moth, Phycionia frustrana Comst. in southeastern Louisiana. By Philip C. Wakeley. 1935. 8 p. (Southern forest experiment station. Occasional papers no. 45)
- Prospective seed crops of forest trees in the northeast, 1935. By H. F. Morey. 1935. 17 p. (Issued by Northeastern forest experiment station)
- Pulping and nonpulping cordwood volume in survey unit no. 1, Texas. By Southern forest survey staff. 1935. 10 p. (Southern forest experiment station. Forest survey release no. 15)
- Regressing Montana dry farms. By Leon C. Hurtt. 1935. 4 p. (Northern Rocky Mountain forest and range experiment station. Applied forestry notes no. 69)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service (continued)

- Root habits of longleaf pine seedlings. By L.J. Pessin. 1935. 7 p. (Southern forest experiment station. Occasional papers no. 43)
- The soil as a guide to stand treatment. By Eugene I. Roe. 1935. 9 p. (Issued by Lake States forest experiment station)
- Sulphuric acid treatment for black locust seed. By H. G. Meginnis. 1935. 4 p. (Southern forest experiment station. Occasional papers no. 47)
- The supply and status of naval-stores timber in survey unit no. 2, Georgia. By Southern forest survey staff. 1935. 10 p. (Southern forest experiment station. Forest survey release no. 13)
- Timber stand improvement in the ponderosa pine type. By T. C. Pender. 1935. 10 p. (Issued by Intermountain forest and range experiment station, Ogden, Utah)
- Weeding as a stand improvement measure on cut-over spruce lands. By Marinus Westveld. 1935. 12 p. (Northeastern forest experiment station. Occasional paper no. 5)

Bureau of Home Economics

- Buying guides for costume slips. 1935. 6 p.

Bureau of Plant Industry

- The coloring or degreening of mature citrus fruits with ethylene. By J. R. Winston and R. W. Tilden. Slightly revised 1935. 13 p. (Issued by Division of fruit and vegetable crops and diseases)
- Misbranded seed in interstate commerce and seed analysis. By W. A. Davidson. 1935. 7 p. (Issued by Division of seed investigations)
- Photographs of drawings of seeds of the more important forage-plant seeds and incidental seeds commonly found with them. By F. H. Hillman and Helen H. Henry. Revised 1935. 15 plates. (Issued by Division of seed investigations)
- Quackgrass. By L. W. Kephart. 1935. 2 p. (Issued by Division of cereal crops and diseases)
- Summarized report of investigations on the transcontinental shipment of apples and pears during winter weather. By D. F. Fisher. 1935. 11 p. (Issued by Division of fruit and vegetable crops and diseases)

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REPORT OF THE MEETING OF THE ADVISORY COMMISSION FOR THE ESTABLISHMENT OF AN
INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS IN CONNECTION WITH
The First International Congress of the Agricultural Press
held at Brussels, July 27, 1935

The Advisory Commission for the establishment of an International Committee of Agricultural Librarians held a meeting immediately after the close of the first plenary session of the International Congress of the Agricultural Press. The meeting took place under the chairmanship of Dr. Edward Reich, Secretary General of the Czechoslovakian Academy of Agriculture. The other members of the Commission were the following: Dr. Ernst Feisst (Switzerland), Dr. Sigmund v. Frauendorfer (International Institute of Agriculture), Prof. Andrea Gravino (Italy), Dr. Per Nebbe (Sweden), Ing. agr. Eladio Morales y Fraile (Spain), Bibliotheksrat Mührer (Germany), Mr. Victor Schaefer (United States).

The members of the Commission approved unanimously the viewpoints and suggestions expressed in the report of Dr. Reich on the "Establishment of agricultural libraries and reading halls" and that of Dr. v. Frauendorfer on "International collaboration of agricultural libraries" which had been presented in the preceding session of the International Congress of the Agricultural Press.

Pursuant to a resolution of this same Congress, the Commission established an "International Committee of Agricultural Librarians". As members of this Committee the following names were proposed:

President: Miss Claribel R. Barnett, Librarian, U. S. Department of Agriculture, Washington

Secretary: Dr. Sigmund v. Frauendorfer, Librarian, International Institute of Agriculture, Rome

Members:

- Dr. Jan Mostik, Librarian, Czechoslovakian Academy of Agriculture, Prague, Czechoslovakia
- Mr. Charles H. Brown, Librarian, Iowa State College, Ames, Iowa.
- Prof. P. J. Gouroff, Director, Bibliothèque de l'Académie Lénin des Sciences Agricoles, Moscow, U.S.S.R.
- Dr. Rudolf Harrer, Librarian, Hochschule für Bodenkultur, Wien, Austria.
- Dr. Per Nebbe, Librarian, Landbrukshögskolan, Uppsala, Sweden.
- Mr. C. H. Hooper, Librarian, South-Eastern Agricultural College, Wye, Kent, England
- Mr. Arne Johnson, Librarian, Norges Landbruks Høiskole, Aas, Norway
- Dr. H. N. Kooiman, Librarian, Landbouwhoogeschool, Wageningen, Netherlands.
- Dr. S. Lewicky, Librarian, Agricultural College, Pulawy, Poland
- Mr. M. Lobedanz, Librarian, Kgl. Veterinær og Landbohøjskole, København, Denmark
- Mr. Fernando G. Luna, Chief, Agricultural Publications, Library of the Department of Agriculture, Madrid, Spain
- Prof. Masci, Librarian, Ministry of Agriculture and Forests, Rome
- Prof. L. Mila, Manager, Service Bibliographique de la Société des Agriculteurs de France, Paris
- Mr. Mührer, Librarian, Landwirtschaftliche Hochschule, Berlin, Germany
- Prof. Iv. Stranski, Librarian, Faculté Agronomique, Université de Sofia, Bulgaria
- Dr. J. Stummvoll, Librarian, Agricultural College, Ankara, Turkey

The Commission was of the opinion that the preceding list of members should be considered as preliminary and subject to eventual modifications and amplifications as circumstances may require.

REPORT OF THE MEETING OF THE ADVISORY COMMISSION FOR THE ESTABLISHMENT OF AN
INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS
(continued)

It was furthermore resolved, that the International Committee of Agricultural Librarians should work in contact with the "Fédération Internationale des Techniciens Agricoles" (FITA) and with the "International Federation of Library Associations" in order to establish a double affiliation to the professional organizations of agriculturists and librarians.

The Secretary of the Committee, Dr. Sigmund v. Frauendorfer, has been asked to carry on the current work of the Committee until the next meeting, the date and place of which remain to be fixed.

(Signed) Dr. Sigmund v. Frauendorfer,
Librarian of the International Institute
of Agriculture, Rome.

TENTATIVE PROGRAM FOR THE ACTIVITY OF THE
INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS

Presented to the First International Congress of the Agricultural Press (Brussels, July 26-27, 1935) by Dr. Sigmund v. Frauendorfer, Librarian of the International Institute of Agriculture. (See also: La Technique Agricole Internationale, Revue trimestrielle de la Fédération Internationale des Techniciens Agronomes 5e année, no. 1, p. 65-69, Janvier-Mars 1935)

A. Publications to be Prepared

- (1) International list of libraries and bibliographical centers specialising in agriculture and allied sciences, including special collections in general libraries; (2) an international list of agricultural periodicals; (3) international register of agricultural bibliographies (current bibliographies, abstracting journals, bibliographical monographs, etc.); (4) technical handbooks for use in agricultural libraries (e. g. cataloguing manual, classification scheme, abbreviation of titles of periodicals, etc.) (5) international bibliography of agricultural sciences (books and articles in periodicals); (6) periodical bulletin of information containing matters of interest for agricultural librarians in various countries.

B. Mutual Aid between Agricultural Libraries

- (1) International interlibrary loan of books not to be found in the libraries of a given country; (2) exchange of regular publications; (3) exchange of library duplicates; (4) exchange of library staff members; (5) cooperative book selection, by compilation of national lists of best books in the field of agriculture; (6) cooperation in the field of agricultural bibliography (see A 5).

C. Working Tools of the International Center of
Agricultural Bibliography

- (1) Compilation of a union catalog of agricultural books (including those not existing in the library itself); (2) compilation of an international repository containing articles of periodicals, pamphlets, reprints and other "minor" material; (3) establishment of an agricultural archive (newspaper clippings, illustrative material, etc.)

BOOKS BY FARM PEOPLE

By Caroline B. Sherman, Associate Agricultural Economist,
Bureau of Agricultural Economics

We know that books about farm people are numerous enough to fill a small library, but what of books by farm people?

If we mean books actually written by farm people when actively engaged in farm work, they are naturally rather few in number. For how many of those who make their living on farms have time for the sustained writing that is necessary to the making of a book? Still less do they have the spare energy and freedom to do creative work. But we do sometimes find books written by such people, for instance Evelyn Harris' spirited volume The Barter Lady. Mrs. Harris tells of the schemes she has worked out, while running her Maryland farm, to exchange surplus farm products for services and things which even self-sufficing farm families do find necessary.

Ruth Suckow, though now in Washington, where her husband is helping agriculture through the Triple A, began writing her books while still on her Iowa bee farm. The characters in her Country People were true to the title, though her later books like the recent one called The Folks deal with village people or with the farm family after it has scattered over the country. Our last Pulitzer Prize winner, Now in November, that tragically beautiful story in a Missouri farm setting, was written by Josephine Johnson, a remarkably young writer, from the farm where she has lived most of the time since the age of twelve.

But books written by farm folks after they have left the farm, and find more leisure and perspective, are books by farm people. Margaret Wilson who wrote that earlier Pulitzer Prize winner of Iowa farm life, The Able McLaughlins, grew up as one of a hard-working farm family. They had practically no cash or outside labor. Her uncle was the Honorable James Wilson, you know - the dirt farmer who was Secretary of Agriculture when many of us can first remember.

Willa Cather is the classic fictional writer of the American farm and its influence on those who are born there. Not until her well-wrought books began coming at rather regular biennial intervals in the 1900s did we begin to have a real literature of farm life. She moved from rural Virginia and then lived on a Nebraska ranch from the time she was eight years old to maturity. You remember some of her books - O Pioneers, Song of the Lark, My Antonia, One of Ours. And her new book, just out, Lucy Gayheart, has a village background. Gladys Carroll, whose As the Earth Turns delighted us a year or two ago, and who has now written A Few Foolish Ones, lived her first 12 years on her grandfather's farm in Maine, and she frequently returns to it.

Of a vastly different nature are the books written by Vardis Fisher and constituting the fictionized autobiographical series--In Tragic Life, Passions Spin the Plot, and We are Betrayed - and it is said that another is on its way called No Villain Need Be. Fisher shows the hard and brutalizing phases of pioneer life as it was lived in the Snake River territory of Idaho only 30 years ago and the effect of their impact upon a sensitive and highly strung child and youth. He is writing from a perspective gained by many years of city life but he still goes back to Idaho for the summer months.

BOOKS BY FARM PEOPLE
(continued)

Then we have those telling books written by people of other walks of life who finally have actual farm experiences. An Abandoned Orchard is Eleanor Risley's vivacious and humorous (but thoroughly in-earnest) story of her day-to-day adventures in bringing back an old orchard in the Ozarks, inherited from an uncle.

We Sagebrush Folks was written by Annie Pike Greenwood both while she and her husband were trying to make a living from their new Idaho ranch and after they had lost it and retreated to Salt Lake City. She tells me she has the makings of six other books waiting for polishing. All apparently relate to her experiences in Idaho.

It is interesting that in a few instances some of our best fiction about farm people has been written by authors who have never lived on a farm. Edna Ferber's journalistic ability to dig quickly and effectively into a subject made possible her So Big and American Beauty - built on the so-different farming of Illinois and old New England. Ellen Glasgow's deep perception, comprehension of character, and real artistry, made possible her rich story, growing out of the rebuilding of a Virginia farm, called Barren Ground. And now her book just coming from the press, Vein of Iron, deals with a stalwart Virginia family of the Shenandoah Valley.

In England we find actual farmers writing in their spare moments and they are usually writing about their farms and the country surrounding them. Adrian Bell, for instance, who found his native London unsatisfactory after his return from the World War and who hungered for a life that would seem really worthwhile turned to farming for those satisfactions. In those delightful books of his, Silver Ley and The Cherry Tree, which were republished in this country, he tells us that at first his family went with him to keep him company and to enjoy country life as the Londoner is likely to think of it, with guests from town and countryside entertaining. But this was not what he really wanted, and it was not until his family wished to return to town, and he was left to live the true life of a farmer in a little century-old cottage, working the traditional hours from dawn till dark that he felt he had completely found the life of outdoor, purposeful toil that he had craved.

Perhaps the author to mention as our last is the one who was probably our first to turn the attention of incredulous American writers and readers to the mere possibility of using farm material successfully in fiction - Hamlin Garland. Through his Main Travelled Roads he first brought farm life into fiction. Later came his series: Trail Makers of the Middle Border, A Son of the Middle Border, A Daughter of the Middle Border, and Back Trailers from the Middle Border. In this series he tells the whole story of his pioneer family. They went out from New England to the Middle West to find freedom and space for adventurous living; lived there a generation or two; and then migrated back to the East where he and his children felt they could better develop the talents that were in them.

Would that there were space to mention many more books by farm people - old and new. For usually there is in these books something that warms the heart and cools the brain - and that can rarely be said of our modern fiction.

BOOKS AND THE FARMER

By Sir E. John Russell, Director, Rothamsted Experimental Station

(Instalment 3*)

About modern agricultural books it is difficult to speak because the subject has now followed the usual course and become highly specialised. First, and a long way first, I must put A. D. Hall's *Pilgrimage of British Farming*: a vivid picture of the farming of England written by one who, in our day, is unequalled as an observer and as a master of lucid and attractive English. It gives us a faithful account of the agriculture that is now passing away; of the systems and methods in the stage of development they had reached before the War shook them so violently that it caused them all to totter and some to crash; it is a record that will undoubtedly live long after many of our current books are forgotten. Two books are in a category by themselves: both are written by H. Rider Haggard, who, after acquiring immense fame for his books of adventure, turned farmer and wrote down his own experiences in *A Farmer's Year* (1899), and his impressions of British agriculture derived from personal visits in Rural England (1902). These volumes should certainly be obtained. As a reference work the twelve-volume *Cyclopedia of Agriculture* edited by R. Patrick Wright is still the most complete we have, though now nearly thirty years old. Messrs. Bellière, Tindall and Cox more recently published a good *Encyclopedia of Scientific Agriculture* edited by H. Hunter. A connected account of agricultural practice is given by J.A.S. Watson and J.A. Moore** Four good books of reference on the British Islands are: H. J. Mackinder, *Britain and the British Seas* (1930); *Great Britain: Essays in Regional Geography* (1930); Dudley Stamp, *The British Isles: A Geographic and Economic Survey*; and the *Agricultural Atlas*, Malcolm Messer (Ordnance Survey). Whether you can possess these or not the little *County Geographies* of the Cambridge University Press should be obtained. Among periodicals the *Journal of the Ministry of Agriculture* should certainly be taken; also the reports and books issued from the *Agricultural Economics Institute*, Oxford, especially *The Future of Farming*, C. S. Orwin; and the publications of the *Bureaux* and the *Experiment Stations*. The *Horace Plunkett Foundation* issue some valuable reports on Co-operation. Other books worthy of consideration are: Viscount Astor and K.A.H. Murray, *Land and Life*; Lord Lympington, *Horn, Hoof, and Corn* (1932); Montague Fordham, *A Short History of English Rural Life* (1916); and C. Dampier-Whetham, *Politics and the Land* (1927).

For the rest the great difficulty is one of choice; I doubt if at any time in the world's history there were more books published on agriculture than now. The United States is the chief source of supply, and I marvel that they can all find a market; one is inclined to believe, with Pope, that--

"Where so much is said,
One half will never be believed,
The other never read."

*Instalments 1 and 2 appeared in the July and August 1935 issues, respectively, of *Agricultural Library Notes*.

** Watson and Moore. *Agriculture, The Science and Practice of British Farming*.

BOOKS AND THE FARMER
(continued).

Most of the American works have, of course, little bearing on English farming, but one of Prof. Warren's more general books on United States agriculture (The Agricultural Situation, G. F. Warren and F. A. Pearson Wiley, 1924, or his Farm Management), would be an interesting and useful addition to our list.

Considering how much importance now attaches to Empire agriculture as a source of food for the Nation it is unfortunate that we have so few books dealing with it. I have given a general picture of it in my book The Farm and the Nation, but no more detailed account has yet appeared. The material can be got out from the official year-books, and something more vivid but less detailed is given in some of the travellers' books; I commend for example R. G. Stapledon, A Tour in Australia and New Zealand: Grass Land and Other Studies (1928). Duckham's Animal Husbandry in the British Empire (1933) deals with the live-stock side of the industry.

These various books would take a little time to collect, but they would not cost much and they would give the expert, the good farmer and the intelligent general reader a broad view of the subject and, at the same time, sufficient detail for all ordinary purposes.

I should, however, like to see the libraries go much further than this and endeavour to arouse among farmers themselves a taste for good reading. Perhaps this lies outside your province; it is, however, so important that I still feel justified in bringing it before you. There are certain difficulties. Farmers as a body do not belong to either of the present-day leisured classes: they have only little spare time, and that is in the evenings when the long day's work is done. They read the technical agricultural press which is now very good, and thanks to the devoted labours of the County Organisers and the Advisory Officers they are kept informed of modern developments in agricultural science and practice. But their active outdoor life, with the early morning start, is not conducive to serious reading of books in the evenings. In general, too, the farmer has little temptation to buy books. If you look round the bookshop in an ordinary market town you can easily walk out without buying anything. I have asked some of my publishing friends whether they could not make some joint effort to create a greater demand for books among agriculturists and other dwellers in the country, but the difficulties seem to be considerable. In farm-houses one is more likely to find books on agriculture of the period 1820 to 1870 than of 1900 to 1930. In the olden days some of the packmen carried books round and ensured some sort of distribution: now there is nothing of the kind. It is easier to buy a modern book on agriculture in Oxford Street than in a market town where farmers foregather weekly. Except where a school teacher vigorously encourages and stimulates it there is probably less reading of good books in farm-houses now than thirty years ago. In those days the Pilgrim's Progress was still widely read, and, more important still, many farmers began the day's work by the reading of a chapter from the Bible and of a prayer from the Daily Service. Considered simply as a daily exercise in

BOOKS AND THE FARMER
(continued)

good literature the procedure was good: it laid the foundation for the development of personality and power of shrewd comment that has always characterised the best men and women of the English countryside, whether landowners, farmers, or farm workers. Volumes could be filled with the expressions of the old generation of farm workers: I remember our first tractor once coming to a standstill in the field, and the old workers making scathing comments while the driver looked for the cause of the trouble and found a small insect in the carburettor: "Look!" said one of them, aptly paraphrasing St. Paul, "how the weak things of the world do confound the things which are mighty!" Unfortunately all this is passing: and instead we have the Sunday paper and the "talkie", which again considered simply as exercises in literature, form a poor exchange. There are, however, two new factors at work which may yet do much to bring good books into the farm-house and the farm worker's cottage: the wireless, which has already brought so much pleasure into country life; and the County Library, the branches of which are often worked from the village school. Both teachers and scholars have told me how much the books are appreciated, especially in the remoter places where the winter evenings seem very long. There should be available three classes of books for circulation:

- (1) Good general literature, including fiction, travel, history, biography, science, poetry, and essays (these are not placed in order of merit though it may happen to be the order of general preference).
- (2) Good literature dealing with country life.
- (3) Technical and educational works such as I have already described.

Of the first group I shall say nothing except that a great responsibility lies upon the person making the selection because he or she can foster or kill the taste for reading in many a country household. Country tastes are clean and robust: there is no room for the sickly, morbid, or prurient, and no appreciation of the oversubtle: but English literature happily contains vast stores of clean, healthy, vigorous writing that will stir the imagination and quicken new interests, so adding greatly to the richness of country life. But of the second group I must say something.

Literature dealing with country life ought, on the face of it, to be very popular among country readers. People are more interested in human beings than in anything else and the English countryside is perhaps unique in its wealth of good and almost unexplored material. The story of how the countryside was hewn out from the primeval forests, how the waters were confined and the pestilential swamps converted into rich farm land has the makings of an enthralling tale, but so far it has hardly been told as it deserves. The farm itself is rich in good material, yet only once has it been the subject of great literature and

BOOKS AND THE FARMER
(continued)

that was long before our time. Virgil's Georgics stand alone as the undying epic of the farm. The countryman can still read it with pleasure and marvel at the depth of understanding, the richness of language and the wealth of imagery that have caused this book to live through the ages and to be passed down lovingly from one generation to another as something to be prized and handed on: the possession not of one age but of all. It is available to all readers now, set out in stately, glowing English by Mackail.

But if there was only one Virgil, there have been many others nearer to or in our own time, writing faithfully, sometimes even caressingly of the things of which we know; who, seeing beyond the surface of things to the motive power behind, and reading the thoughts of men whose words are few, show us something that we had missed. No two people would make up the same short list, but there are a few names that can hardly be left out. First in order of time comes Tusser, the pre-Elizabethan poet or rhymester (whichever you prefer), who from Eton and Cambridge took to farming and failed, but left us some rhymes which for their rugged sanity have lived through this last 400 years, and two fine editions issued within the last three years show that they are still good for a long life yet. His Five Hundred Points of Good Husbandry should be on the shortest list.

Somewhat later comes an account by an adventurous spirit, Celia Fiennes, of a journey round England made on horseback in 1697 in which she describes the things she saw and the people she met. She went from her home in Wiltshire up to the border and even ventured into Scotland. But there she could not remain: "They live in so nasty a way, I rather chose to stay and see my horses eat their provender in the stable than to sit in ye roome for I could not bring myself to sit down nor to Eate any of the food they should order"; then back to London and then to Cornwall. The manuscript was first published in 1888. Another early account is Daniel Defoe's Tour of England in 1724, a delightful book full of touches of humour. Several modern editions are available, ranging in price from the two volumes in Everyman's Library to Peter Davies' beautifully printed edition of 1927. After Defoe the eighteenth century produced no good writer about the country till near the end, when three arose*: Arthur Young and Gilbert White, whom I have already mentioned, and William Cobbett, peasant son of Surrey and one of the most striking figures that ever stalked the English countryside, second only to John Wesley in the impression he made upon the people as he passed. Stern and rugged, hating bitterly everything effeminate and soft, contemptuous of all Jews, stock jobbers, and citizens of London generally, he was an ardent lover of good farmers and good animals. For him land and animals unfit for agriculture were altogether baneful. London was always the "Wen"; the Surrey heaths

* This was also the time when Fraçois de la Rochefoucauld visited Suffolk (1874). His vigorous account of what he thought of the place and the people should certainly be read by the natives of that county. The Cambridge University Press has published the book (A Frenchman in England, 1933).

BOOKS AND THE FARMER

(continued)

were abominations; Hindhead "certainly the most villanous spot that God ever made." For him, bread, beer, beef, and bacon were the divinely-ordained foods of an Englishman; tea and potatoes were disgusting if not dangerous: "It is notorious that tea ... besides being good for nothing, has badness in it. As for the potato: "It will bring English labourers down to the state of the Irish ... it is the root of slovenliness, filth, misery, and slavery; its cultivation has increased in England with the increase of the paupers; both, I thank God, are upon the decline ... Englishmen seem to be upon the return to beer and bread." You should have in your library his *Rural Rides** and also his *Cottage Economy* for its vivid English and its vigorous tirades against the changes then beginning in the countryside. But he had a good eye for the country and his descriptions hold us so that we have to read it.

Next in point of time to tell about the countryside comes George Borrow--another Eastern Counties man. Lavengro and Romany Rye should be on the farmer's list, though I am not quite sure whether the young people will like them. He doesn't deal with agriculture: he is vexatiously silent about the changes in farming that were then taking place; he was a tramp, or, rather, a super-tramp, who loved the road and the ale-house on the heath, boxing, and horses; he gave us, too, that wonderful creature Isopel Berners, who is surely fit to stand beside Hudson's Rima and Galsworthy's Megan David. But he afterwards married and settled down, and his later books need not go on our list. Wren Hoskyns' *Talpa*, or the *Chronicles of a Clay Farm* (1847) should be added, if possible the edition with Cruikshank's illustrations. Among the modern writers there is almost overwhelming difficulty of choice. Happily there is growing up to-day a new kind of literature faithfully describing the life of the countryman as it is, yet written with such insight and with so human and personal a touch as to have all the charm of a romance. Truth is, indeed, the secret of all eloquence and virtue. The forerunner was Richard Jeffries, the gamekeeper-writer who charmed our fathers fifty years ago, and his *Wild Life in a Southern County* and *Round About a Great Estate* still deserve a place on our list. Then came W. H. Hudson. His *Shepherd's Life* must be on the list, and, if you are in the West Country, his *Land's End*.

Later ones I put in alphabetical order. There is Adrian Bell -- you all know his *Corduroy*, the account of his farming experiences written so vividly that farmers can follow them with delight. George Bourne's biographies of himself (*The Wheelwright's Shop*) and his man Bettsworth (*The Bettsworth Book and Memoirs of a Surrey Labourer*) and his *Change in the Village* appeal to a wide circle of readers. Then there is Sassoon, whose *Memoirs of a Fox-hunting Man*, while not an agricultural book, is full of the life of the country; and, of course, A. G. Street, our most recent discovery -- a Wiltshire dairy-farmer blessed with a keen eye for human character, a retentive memory, a cheerful outlook

* William Reeves has a good edition, edited by Pitt Cobbett.

BOOKS AND THE FARMER
(continued)

on life, and a great gift of writing, so that he can set down the things he has seen and heard and can make his sturdy farm workers talk before us. His Farmer's Glory is likely to last a long time.

I shall not, and could not if I wished, attempt to deal with the long list of writers of fiction who localise their stories and so bring in descriptions of people and of scenery recognisable as types by those who know the country. Of course, place must be found for some of these, but the choice must be left to the local expert. Trollope should be included in any list, and in hunting regions perhaps Surtees, though without the illustrations the present-day reader would probably not get far with him. Towering above them all, of course, is Hardy, and no library could leave him out. Nor could Quiller-Couch be omitted from Cornwall or Sheila Kaye Smith's novels from Sussex, or Mary Webb's from Shropshire. Finally, even on the shortest list we should put Victoria Sackville-West's poem The Land. It is a beautiful piece of work that would be widely appreciated by country readers.

Of course, there are many more, for happily there have always been men and women who have known something of the joy of the life-giving earth and the peace of a quiet garden, who in their dreams have walked --

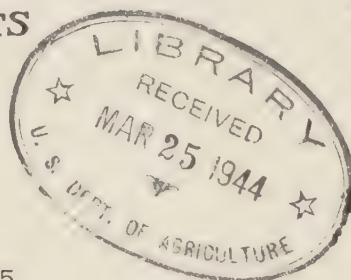
Where a voice of living waters never ceaseth
In God's quiet garden by the sea,
And Earth, the ancient life-giver, increaseth
Joy among the meadows, like a tree.

The County Libraries to-day have a great opportunity of introducing good literature to the countryman. It is a time of great changes, social, economic, and technical; old customs are dying out, new ones are not yet established: just the time, indeed, when new tastes can be fostered and the countryman made to realise something of the rich heritage of English literature that has come down to him, and of the worth of some of the books written in our own day.

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PRINCIPAL LIBRARY ACCESSIONS

Biography

BROWN, Sir E. Memories at eventide. Burnley, Lancashire, Dixon, 1934.
DORFMAN, J. Thorstein Veblen and his America. New York, Viking, 1935.

Biology

WELCH, P. S. Limnology. New York, McGraw-Hill, 1935.

Botany

BRITISH MYCOLOGICAL SOCIETY. COMMITTEE OF PLANT PATHOLOGY. List of common names of British plant diseases. Ed. 2. Cambridge, University press, 1935.
WALTON, G. L. The flower-finder. Ed. 4. Philadelphia, Lippincott, 1935.

Chemistry. Analysis

MOOR, C. G., and PARTRIDGE, W. Aids to the analysis of food and drugs. Ed. 5 rev. by J. R. Nicholls. London, Baillière, Tindall and Cox, 1934.
BRITISH DRUG HOUSES, ltd., London. The B.D.H. book of reagents for 'spot' tests and delicate analysis. Ed. 4. London, 1935.

Children

BEARD, B. B., and WAILES, B. F. Child welfare in Virginia. Sweet Briar, 1934.
(Bulletin of Sweet Briar college, v. 17, no. 4)
STODDARD, G. D., and WELLMAN, B. L. Child psychology. New York, Macmillan, 1934.

Commerce

ARGENTINE REPUBLIC. MINISTERIO DE AGRICULTURA. DIVISIÓN DE CONTRALOR DE LA PRODUCCIÓN FRUTICOLA. Argentine fruit for export. Buenos Aires, 1935.
MEARS, E. G. Maritime trade of western United States. Stanford University, Cal., University press, 1935. (Stanford business series, no. 4)
PRAULT, L. Protectionnisme douanier et commerce extérieur français, agriculture-industrie. Amiens, Impr. nouvelles, 1935.

Diet

HAGGARD, H. W., and GREENBERG, L. A. Diet and physical efficiency. New Haven, Yale university press, 1935.

Directories

SPECIAL LIBRARIES ASSOCIATION. Association membership lists. New York, 1934. Mimeographed.
----- Union list of services in 34 libraries in Manhattan. New York, 1934. Mimeographed.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Economic History and Geography

- BOWMAN, I. Geography in relation to the social sciences. New York, Scribner, 1934. (Report of the Commission on the social studies, American historical association. pt. 5)
- FITZGERALD, W. Africa; a social, economic and political geography of its major regions. New York, Dutton [1935?]
- TAYLOR, P. S. An American-Mexican frontier, Nueces county, Texas. Chapel Hill, University of North Carolina press, 1934.

Economics, Agricultural economics

- BASTIAT, F. Economic fallacies. Ottawa, Deachman, 1934.
- BLACK, J. D. The dairy industry and the AAA. Washington, 1934.
(Institute of economics of the Brookings institution. Publication no. 64)
- CANADIAN INSTITUTE OF INTERNATIONAL AFFAIRS. The Canadian economy and its problems; papers and proceedings of study groups of members of the Canadian institute of international affairs, 1933-34. Toronto, 1934.
- FITZGERALD, D. A. Livestock under the A A A. Washington, 1935. (Institute of economics of the Brookings institution. Publication no. 65)
- GERMANY. REICHSINTERESSENVERTRETUNG DER GEFLÜGELWIRTSCHAFT. Zur versorgungslage der deutschen bevölkerung mit geflügelerzeugnissen deutscher herkunft. t.2. Schlachtgeflügel. Berlin, 1933.
- HOLMAN, E.H.H. Where the tall corn grows. A study of the farm problem in its relation to the labor problem; based on personal experience in western Iowa. Minneapolis, Northern states cooperative league, 1934.
- HORNE, R. L. The farm business. Chicago, University of Chicago press, 1935.
- JOHNSON, F. E. Economics and the good life. New York, Association press, 1934.
- LEE, H. K. Rural economy in Korea. Seoul, Korea, Han Sung [193-?]
- LLOYD-GEORGE, D. Organizing prosperity. London, Nicholson and Watson, 1935.
- MALLART, J. Organización científica del trabajo agrícola. Barcelona, Salvat, 1934.
- PITKIN, W. B. Let's get what we want! New York, Simon and Schuster, 1935.
- RYAN, J. A. A better economic order. New York, Harper, 1935.
- SOUTHERN POLICY CONFERENCE. Memorandum adopted at a meeting in Atlanta, April 25-28, 1935. [Atlanta?] 1935. Mimeographed.
- TAYLOR, A. E. The new deal and foreign trade. New York, Macmillan, 1935.
- VEBLEN, T. Essays in our changing order. New York, Viking, 1934.
- VIRÁNY, E. Die bezwingung der rohnstoffkrise. Wien, Manzsche, 1931.

Engineering

- GEORGE, S. G., and RETTGER, E. W. Mechanics of materials. New York, McGraw-Hill, 1935.
- MATTHEWS, J. H., and SONESON, P. E. Analysis of framed structures. New York, McGraw-Hill, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(continued)

Entomology

HABER, V. R. A laboratory guide for use in forestry entomology. Ann Arbor, Mich., Edwards, 1935. Mimeographed.

Evolution

MORGAN, T. H. The scientific basis of evolution. Ed. 2. New York, Norton, 1935.

Fairs

NEELY, W. C. The agricultural fair. New York, 1935. (Columbia university. Studies in the history of American agriculture. 2)

Finance

ARGENTINE REPUBLIC. MINISTERIO DE HACIENDA. El plan de acción económica nacional. Buenos Aires, 1934.

BERLE, A.A., and PEDERSON, V. J. Liquid claims and national wealth. New York, Macmillan, 1934.

Forestry

CHANEY, R. W. Redwoods of the past. Berkeley, Calif., Save-the-redwoods league, 1934

NEW YORK (STATE) CONSERVATION DEPT. DIVISION OF LANDS AND FORESTS. Information compiled by W.C. Howard, Summary of activities. [Albany, 1934?] Mimeographed.

Home Economics

BALDERSTON, L. R. Housekeeping workbook - how to do it. Chicago, Lippincott, 1935.

Horticulture

HALDANE, E. S. Scots gardens in old times (1200-1800) London, Maclehose, 1934.

HENSLOW, T. G. W. The rose encyclopedia. New ed. London, Pearson, 1934.

JOHNSON, M. O. The pineapple. Honolulu, Paradise of the Pacific press, 1935.

MAPPIN, G.F. Bigger and better roses for garden, house and exhibition. London, Jenkins, 1935.

Housing

WRIGHT, H. Rehousing urban America. New York. Columbia university press, 1935.

Hygiene

VENEZUELA. MINISTERIO DE SALUBRIDAD Y DE AGRICULTURA Y CRÍA. La sanidad en Venezuela 1909-1930. Caracas, "Elite", 1930.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Irrigation

MISSION ALGÉRIENNE EN ESPAGNE (JUIN-JUILLET 1932, MARS-AVRIL 1933) Rapport sur l'utilisation des eaux des barrages. Alger, Crescenzo, 1934.

Labor

LOPER, R. E., co. Southern village costs and wage study, American cotton manufacturers association. Charlotte, N. C., 1935.
MARSH, L. C. Employment research; an introduction to the McGill programme of research in the social sciences. Toronto, Oxford university press, 1935.
(McGill social research series, no. 1)
MAURETTE, F. Social aspects of industrial development in Japan. Geneva, 1934.
(International labour office. Studies and reports. Ser. B (Economic conditions) no. 21)

Land Settlement

CALDWELL, E. Tenant farmer. New York, Phalanx, 1935.
DAWSON, C. A. The settlement of the Peace river country. Toronto, Macmillan, 1934. (Canadian frontiers of settlement. v. 6)
HERBERT, G. Can land settlement solve unemployment? London, Allen & Unwin, 1935.
MACKINTOSH, W. A. Prairie settlement, the geographical setting. Toronto, Macmillan, 1934. (Canadian frontiers of settlement. v. 1)

Oils, Vegetable

MORAES CARVALHO, J. B. de. Notas sobre a industria de oleos vegetaes no Brasil. Rio de Janeiro, Ministerio da agricultura, industria e commercio. Serviço de informações, 1924.

Physics

LONDON. PHYSICAL SOCIETY. Reports on progress in physics. London, University press, 1934.

Planning

INDIANA. STATE PLANNING BOARD. Digest of available information. Indianapolis, 1935. Mimeographed.
----- Report of the consultants for the period ending Feb. 22, 1935. Indianapolis, 1935. Mimeographed.
INTERNATIONAL INDUSTRIAL RELATIONS INSTITUTE. REGIONAL STUDY CONFERENCE, New York, 1934. On economic planning. Papers delivered at the International industrial relations institute, New York, Nov. 23-27, 1935. New York, Covici Friede, 1935.
NEW ENGLAND REGIONAL PLANNING COMMISSION. Limited motorways. Boston, New England council, 1935.
NEW HAMPSHIRE. STATE PLANNING BOARD. ADVISORY COMMITTEE ON LAND AND WATER POLICY. The extension of public ownership of land in New Hampshire. Concord, N. H., 1935. Mimeographed.

PRINCIPAL LIBRARY ACCESSIONS

Planning (continued)

- NEW MEXICO. STATE PLANNING BOARD. Progress report to National resources board, April 15, 1935. Santa Fe, 1935. Mimeographed
- NEW YORK (STATE) STATE PLANNING BOARD. COMMITTEE ON RECREATION. Report. [Albany? 1934] Mimeographed.
- A progress report to the National resources board on the making of a state plan for New York, March 1 to September 1, 1934.

Prices

- FARMERS NATIONAL GRAIN DEALERS' ASSOCIATION. COMMISSION TO INQUIRE INTO AGENCIES, LAWS AND REGULATIONS AFFECTING GRAIN PRICES. Hearings [Chicago? 1935]
- Findings. [Chicago?] 1935.

Roads

- GESELLSCHAFT "REICHAUTOBAHNEN". Zwei jahre arbeit an der reichsautobahn zur eröffnung der ersten teilstrecken. Berlin, Volk und reich verlag, 1935.

Rural Sociology

- HOFFER, C. R. Introduction to rural sociology. New York, Farrar & Rinehart, 1934.

Statistics

- ARKIN, H., and COLTON, R. R. Statistical methods as applied to economics, business, education, social and physical sciences. New York, Barnes & Noble, 1934.
- CANADA. BUREAU OF STATISTICS. EXTERNAL TRADE BRANCH. Trade between Canada and Germany, calendar years 1933 to 1934, with historical summary. Ottawa, 1935. Multigraphed.
- CHINA. MINISTRY OF INDUSTRIES. BUREAU OF FOREIGN TRADE. China industrial handbooks, Chekiang. Second series of the reports by the national industrial investigation. Shanghai, 1935.
- FISHER, R. A. Statistical methods for research workers. Ed. 5. Edinburgh, Oliver and Boyd, 1934. (Biological monographs and manuals, no. 5)
- ITALY. ISTITUTO CENTRALE DI STATISTICA. Censimento generale dell'agricoltura, 19 marzo 1930. Roma, Failli, 1933.

Taxation

- ABBOTT, L. E. A manual of tax collection procedure for Texas cities. Austin, 1935. (Municipal studies of the University of Texas, no. 2)
- COOK CO., ILL. ASSESSOR. Assessments of real estate and personal property for the tax years of 1931-1932-1933. Chicago, 1934.
- Real estate assessment manual. Basic principles and methods for the years 1931 to 1934. Chicago, 1933.

PRINCIPAL LIBRARY ACCESSIONS

Taxation (continued)

- GROVES, H. M. A tax policy for the United States. New York, 1934. A reprint of four articles published in the New Republic.
- TAX POLICY LEAGUE. Where the sales tax falls. New York, General welfare tax league, 1934.
- WISCONSIN. LEGISLATURE. INTERIM COMMITTEE ON TAXATION PROBLEMS. Report. Madison, 1935.

Textile Industry and Fabrics

- COTTON SPINNERS' & MANUFACTURERS' ASSOCIATION. Uniform list of prices to be paid to weavers in the cotton manufacturing industry. Manchester, 1935.
- GT. BRIT. MINISTRY OF LABOUR. Cotton manufacturing industry act, 1934. Report by the Board appointed to consider and report on a joint application made by the Cotton spinners' and manufacturers' association and Amalgamated weavers' association, Mar. 19, 1935. London, 1935.
- WOODHOUSE, T., and BRAND, A. Jute bags, packs, pockets and sacks. London, Macmillan, 1935.

Veterinary medicine, Parasites

- BARGER, E. H., and CARD, L. E. Diseases and parasites of poultry. Philadelphia Lea & Febiger, 1935.
- CAMERON, T. W. M. The internal parasites of domestic animals. London, Black, 1934.
- INTERNATIONAL VETERINARY CONGRESS. 12th, New York, 1934. Report. v.1-2. Washington, Govt. print. off., 1934.

o - o - o - o - o - o - o

WANTS

The Library of the Office of Experiment Stations would like to receive discarded copies of the following publications:

U. S. Department of Agriculture Bulletin 1199, and Supplements 1, 2 and 3

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LOST BOOK

The following book cannot be found. It will be appreciated if anyone having information in regard to it will notify the Loan Desk of the main Library (Tel. Branch 627; Room 1044)

Journal of agricultural science. Vol. 13, 1923. Copy 1.

o - o - o - o - o - o - o - o

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Office of the Secretary

- TUGWELL, R. G. The meaning of conservation. Ark. Farmer 38(4): 5, 8.
Sept. 1, 1935.
- WALLACE, H. A. Land utilization as it affects wild life. Minn. Conserv. 27:
2-3. Aug. 1935.
- Some farming problems of the present day. N. Y. Farmers. Proc. 1934/35:
31-45. 1935.

Agricultural Adjustment Administration

- DAVIS, C. C. What's ahead of the A.A.A.? Diamond Walnut News 17(4): 16-17.
Aug. 1935. Also in Northwest Farmer 4(7): 3, 10. Sept. 1935.
- SCHOENMANN, L. R. The planning of submarginal land projects. Amer. Soil
Surv. Assoc. Bul. 16:33-35. May 1935.
- WELLMAN, H. R. Marketing agreements under the agricultural adjustment act.
Veg. Growers' Assoc. Amer. Ann. Rpt. 1934: 45-54. (Recd. Sept. 1935)

Bureau of Agricultural Engineering

- BENNETT, C. A. Preparing cotton gins for commencement of season. Cotton
Ginners' Jour. 6(11): 5-6. Aug. 1935.

Bureau of Animal Industry

- CLAWSON, A. B., COUCH, J. F., and BUNYEA, H. The toxicity of sodium
cyanide and the efficiency of the nitrite-thiosulphate combination
as a remedy for poisoned animals. Jour. Wash. Acad. Sci. 25 : 357-361.
Aug. 15, 1935.
- COTTON, W. E. New researches and developments on contagious abortion
(Bang's disease). Internat'l. Vet. Cong., 12th. New York, 1934. 1:283-294. 1934.
- CREECH, G. T. Primary actinomycosis of the peritoneum of young calves.
Bur. Vet. 11 (4): 1-2. July 1935.
- Tuberculosis of the bovine serous membranes, with no other
visible lesions. Bur. Vet. 11 (2) : 1-2. Mar. 1935.
- DORSET, M. Simultaneous inoculation against hog cholera. Internat'l. Vet. Cong.,
12th. New York, 1934. 2:115-121. 1934.
- FRITZ, J. C. Effect of grinding on digestibility of Argentine
flint corn. Poultry Sci. 14 (5) : 267-272. Sep. 1935.
- GILTNER, L. T., and SHAHAN, M. S. Equine encephalomyelitis yielding
to research. Bur. Vet. 11 (5) : 1-2. Sept. 1935. [Reprinted from
U.S. Dept. Agr. Yearbook, 1935]
- GODFREY, A. B. Confinement or free range? Poultry Tribune 41 (3) :
8-10. Sep. 1935.
- JOSS, J. W. Developments in the production of biological products un-
der federal supervision. Bur. Vet. 11 (3) : 1-3; (4) : 1, 3-4. May and
July 1935.

*These lists are prepared in the bureaus under which they are given, with
the exception of the Office of the Secretary, Agricultural Adjustment Admin-
istration, and Soil Conservation Service.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(continued)

- JULL, M.A. How to select a sire. Poultry Tribune 41 (10) : 9, 22.
Oct. 1935
- LOWE, C. D. Silos need not be expensive. Rural Progress, v. B; nos.
8-9; pp. 19. Aug.-Sep. 1935.
- McGREGOR, A. N. Necrobacillosis of the liver in a steer. Jour.Amer.
Vet.Med.Assoc. 83 (n.s.36) : 696-697. Nov.1933. Reprinted in Bur.
Vet. 11 (3) : 1-2. May 1935.
- MILLER, W. T. Mastitis of cattle. Bur. Vet. 11 (5) : 1,3. Sept. 1935.
[Reprinted from U.S.Dept.Agr.Yearbook, 1935]
- MOHLER, J. R. Government indorses poultry improvement objectives. Nu-
laid News. 13 (5) : 18-19. Aug.1935.
- Relationship of veterinary science to animal breeding and public
health. Legal protection of the practice of veterinary science.
Internatl.Vet.Cong., 12th. New York, 1934.1 : 171-184. 1934.
- Women's influence on veterinary science. Internatl.Vet.Cong. 12th.
New York, 1934.1 : 338-340. 1934.
- TITUS, H. W. The Z-test in covariance analysis. Poultry Sci. 14 (5) :
291-293. Sep. 1935.
- WIGHT, A. E. Eradication of tuberculosis among livestock in the United
States. Internatl.Vet.Cong., 12th. New York, 1934.2 : 33-44. 1934.

Bureau of Biological Survey

- ALDOUS, C. M. The last of the caribou. Natl. Waltonian 3 (3): 8-9
Sept. 1935.
- COTTAM, C. The present eelgrass situation. Plant Disease Reporter
19 : 230-231. Sept. 1935.
- DARLING, J. N. Objectives and functions of the American Wildlife Institute.
Amer. Field 124: 196-197. Aug. 31, 1935.
- Washington wild life. Saturday Evening Post 208 (12): 14-15, 61, 62,
64, 65. Sept. 21, 1935.
- GABRIELSON, I. N. The antelope situation. Amer. Game 24: 54, 59.
July-Aug. 1935.
- KALMBACH, E. R. Will botulism become a world-wide hazard to wild fowl?
Jour. Amer. Vet. Med. Assoc. 87 (n.s. 40) : 183-187 Aug. 1935.
- McATEE, W. L. Value of field observation in economic ornithology. Wilson
Bull. 47 : 198-204. Sept. 1935.
- SHILLINGER, J. E. Urinary calculi in fur animals. Black Fox Mag. 19 (4):
5-6. Aug. 1935.

Bureau of Chemistry and Soils

- ALLISON, F. E., and HOOVER, S. R. Conditions which favour nitrogen fixa-
tion by a blue-green alga. Internatl. Cong. Soil Sci. 3d, Oxford, 1935.
1: 145-147. 1935.
- BURK, D., and HORNER, C. K. The production of ammonia by azotobacter
and its relation to the mechanism of nitrogen fixation. Internatl.
Cong. Soil Sci. 3d, Oxford, 1935. 1: 148-151. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils
(continued)

- BURK, D., and HORNER, C. K. The specific catalytic role of molybdenum and vanadium in nitrogen fixation and amide utilization by azotobacter. Internatl. Cong. Soil Sci. 3d, Oxford, 1935. 1: 152-155. 1935.
- DEMING, W. E., and DEMING, L. S. Some physical properties of compressed gases. V. The Joule-Thomson coefficient for nitrogen. Phys. Rev. 48: 448-449. Sept. 1, 1935.
- EMMETT, P. H., and HARKNESS, R. W. The catalytic interconversion of ortho-para hydrogen over iron, platinum and nickel catalysts. Jour. Amer. Chem. Soc. 57: 1624-1631. Sept. 1935.
- The absorption of hydrogen by iron synthetic ammonia catalysts. Jour. Amer. Chem. Soc. 57: 1631-1635. Sept. 1935.
- HENDRICKS, S. B. The orientation of the oxalate group in oxalic acid and some of its salts. Ztschr. Kristallographie 91: 48-64. 1935.
- HOOVER, S. R., and ALLISON, F. E. A growth and respiration factor for certain rhizobia. Internatl. Cong. Soil Sci. 3d, Oxford, 1935. 1: 158-160. 1935.
- JACOB, K. D. Phosphate rock. Mineral Industry (1934) 43: 448-459. 1935.
- KELLOGG, C. E. A system of land classification. Internatl. Cong. Soil Sci. 3d, Oxford, 1935. 1: 283-286. 1935.
- NIKIFOROFF, C. C. Weathering and soil-formation. Internatl. Cong. Soil Sci. 3d, Oxford, 1935. 1: 324-326. 1935.
- ROSS, W. H., BEESON, K. C., WHITE, L. M., and MERZ, A. R. Loss of water-soluble potash in fertilizer mixtures. Indus. and Engin. Chem., Anal. Ed., 7: 305-308. Sept. 15, 1935.
- MEHRING, A. L. Methods for reducing the retail cost of cotton fertilizers. Com. Fert. Yearbook, 1935: 21-26. 1935.
- WIEBE, R., and GADY, V. L. The solubility of a mixture of hydrogen and nitrogen in water at 25° in the pressure range 50 to 1000 atmospheres. Jour. Amer. Chem. Soc. 57: 1487-1488. Aug. 1935.
- WULF, O. R., and LIDDEL, U. Quantitative studies of the infra-red absorption of organic compounds containing NH and OH groups. Jour. Amer. Chem. Soc. 57: 1464-1473. Aug. 1935.
- Light absorption in the atmosphere and its photochemistry. Jour. Optical Soc. Amer. 25: 231-236. Aug. 1935.

Bureau of Entomology and Plant Quarantine

- BRADLEY, G. H. The hatching of eggs of the Southern buffalo gnat. Science 82: 277-278. Sept. 20, 1935.
- CAMPBELL, R. E., and ELMORE, J. C. The tomato pinworm [Gnorimoschema lycopersicella Busck] Calif. Dept. Agr. Bul. 24: 391-399. July-Sept. 1935.
- CHAPIN, E. A. Review of the genus Coleonobis Blanchard (Coleoptera: Scarabaeidae) Smithson. Misc. Collect. v. 94, no. 9. 20 p. 1935.
- FISCHER, W. S. New West Indian cerambycid beetles. U. S. Natl. Mus. Proc. 83: 189-210. 1935.
- HALLER, H. L., and ACREE, F., Jr. Constituents of pyrethrum flowers. Determination of pyrethrin II. Indus. and Engin. Chem. Anal. Ed. 7: 343-344. Sept. 15, 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(continued)

- JONES, H. A., CAMPBELL, F. L., and SULLIVAN, W. N. Cracca - a source of insecticides. A preliminary study of devil's shoestring as sources of insecticidal materials. Soap 11(9): 99, 101, 103, 105, 107, 109. Sept. 1935.
- SNODGRASS, R. E. The abdominal mechanisms of a grasshopper. Smithsonian Misc. Colletc. v. 94, no. 6. 89p. 1935.
- STAGE, H. H., and GJULLIN, C. M. Anophelins and malaria in the Pacific Northwest. Northwest Sci. 9(3): 5-11. Sept. 1935.
- STURTEVANT, A. P. Honey of the Intermountain Region. Glénings Bee Cult. 63: 463-468. Aug. 1935.

Forest Service

- BLYTHE, R. H., jr. The Chi-Square test in frequency curves. Jour. Forestry. 33: 759-760. Aug. 1935.
- CAMPBELL, R. S. After the drought. Amer. Cattle Producer. 17 (1): 3-4. June 1935.
- CUNO, J. B. Power pruning. Jour. Forestry. 33: 753-754. Aug. 1935.
- CURRAN, C. E., SCHAFER, E. R., PEW, J. C. A study of the color principle in western hemlock. Pacific Pulp and Paper Indus. 9 (7): 10-15, July 1935.
- CURRAN, C. E. Twenty-five years of research. (U.S. Forest Products Laboratory). Paper Indus. 17 (4): 243-248. July 1935.
- DEMMON, E. L. Death of the "father of forestry in the South." Naval Stores Rev. 45 (20): 8. Aug. 17, 1935.
- DUTTON, W. L. Wildlife surveys and management plans on the national forest lands. Amer. Game Conf. Trans. 21: 95-101. 1935.
- ELDREDGE, I. F. The supply of pulpwood in Georgia. Pulp and Paper of Canada. 36 (8): 385. July 1935.
- FRANKLAND, J. New worlds to conquer; CCC roads in Oregon open up entrancing recreational areas. Oreg. Motorist. 5, 18, June 1935.
- GARVER, R. D. Overcup oak for lumber. South. Lumberman. 150 (1900): 25. June 1, 1935.
- GRIFFITH, G. E. When a woodsman cooks; what to do with the frying pan, a camp fire, and the staples you have toted on your back. Esquire 3 (7): 73, 120. July 1935.
- GORSUCH, D. M. What price hawks and owls. (reprint) Natl. Waltonian. 2 (12): 4-5, 7. June 1935.
- GUTHRIE, J. D. CCC's contribution to the South. South. Planter. 96 (7): 5, 11. July 1935.
- HASTINGS, A. B. Federal acquisition of State forests. Jour. Forestry. 33: 719-722. Aug. 1935.
- JACKSON, A. G. U. S. forests could employ millions of men in conservation. Grants Pass Bul. June 28, 1935.
- JENSEN, V. S. Suggestions for weeding in northern hardwoods. Forestry Chronicle. 11 (2): 103-113. June 1935.

PUBLICATIONS BY U.S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Forest Service
(continued)

- KAVANAGH, E. N. Fish and game enemy No. 1 - fire. Wash. Sportsman. 1 (2): 5-7, 21. Summer 1935.
- MUNGER, T. The pulpwood forests of Oregon and Wash. Technical Assn. of the pulp and paper industry. Papers. 18 (1): 487, 570-572. June 1935.
- PICKFORD, G. D., and STEWART, G. Coordinate method of mapping low shrubs. Ecology. 16 (2): 257-261. Apr. 1935.
- SCHULTZE, L. P., and HANSON, H. A. Salmonoid game fishes; distinguishing features of all species of salmon and trout found in northwestern U. S. Wash. Sportsman. 1 (2): 9-11. 1935.
- SILCOX, F. A. Wildlife management and the national forest. Amer. Game Conf. Trans. 21: 166-176. 1935.
- SIMSON, A. G., and HORTON, F. V. "Calling all rangers." Ameri. Forests. 41 (8): 365-67, 398-99. Aug. 1935.
- SPARHAWK, W. N. A rejoinder to Raymond J. Hoyle. The stumbling block of forestry. Jour. Forestry. 33: 741-744. Aug. 1935.
- STEWART, G. Plant cover and forage conditions on spring, fall and winter ranges, largely on public domain lands in the Inter-mountain region. Utah Juniper. 6: 9-13. 1935.
- TIEMANN, H. D. The kiln-drying of lumber. South. Lumberman. 151 (1903): 37-38. July 15, 1935.
- Lessons in kiln-drying. South. Lumberman. 151 (1905): 35-36. Aug. 15, 1935.

Bureau of Plant Industry

- ARCENEUX, G. Factors affecting the relative values of sugarcane varieties now grown in Louisiana. Sugar Bull. 13(24): 5-6, 8. Sept. 15, 1935.
- AVERY, E. A. Arlington experiment farm. Commonwealth 2(9): 12-15. Sept. 1935.
- BARTEL, A. T., and MARTIN, J. H. (With R. S. HAWKINS, Ariz. Agr. Expt. Sta.) Effect of tillers on the development of grain sorghums. Jour. Amer. Soc. Agron. 27: 707-714. Sept. 1935.
- BROWN, B. E. Potato soil fertility and fertilizer literature for 1934. Amer. Potato Jour. 12: 255-257. Sept. 1935.
- EATON, F. M., and SOKOLOFF, V. P. Absorbed sodium in soils as affected by the soil-water ratio. Soil Sci. 40: 237-247. Sept. 1935.
- HATFIELD, I. Toxicity in relation to the position and number of chlorine atoms in certain chlorinated benzene derivatives. Amer. Wood-Preservers' Assoc. Proc. 31: 57-66. 1935.
- JENKINS, A. E. (With A. A. BITANCOURT, Inst. Biol. São Paulo, Brazil) Areolate spot of citrus caused by Leptosphaeria bondari. (Note) Phytopathology 25: 884-886. Sept. 1935.
- JENKINS, A. E. (With L. E. WEHMEYER, Univ. Mich.) Transfer of Diaporthe umbrina to the genus Cryptosporella. (Note) Phytopathology 25: 886-889. Sept. 1935.

PUBLICATIONS BY U.S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- McKINNEY, H.H. The antigenic properties of plant viruses. Science 82: 268-270. Sept. 20, 1935.
- MAGNESS, J. R. When to pick apples. Amer. Fruit Grower 55(9): 7,9,11,13. Sept. 1935.
- MARKLEY, K. S. (With S.B. HENDRICKS and C.E. Sando, Bur. Chem. and Soils) Constituents of the wax-like coating of the pear, *Pyrus communis*, L. Jour. Biol. Chem. 111: 133-146. Sept. 1935.
- PARKER, J. H. Insect resistance in crop plants. Northwest Miller 183: 805-806. Sept. 18, 1935.
- PORTE, W.S. (With H.S. WOLFE and W.M. Fifield, Fla. Sub-Trop. Expt. Sta.) The Glovel tomato. Fla. Agr. Expt. Sta. Press Bul. 480. 2 p.
- RANDS, R. D., ABBOTT, E. V., and SUMMERS, E.M. Disease resistance tests on sugarcane seedlings and initial selection procedure in the southern United States. Sugar Bull. 13(24): 10,12,14-16. Sept. 15, 1935.
- REED, C. A. Varieties of nut trees for the northernmost zone. North. Nut Growers Assoc. Rpt. of Proc. (1934) 25: 87-104. (Recd Sept. 1935)
- RICKER, P. L. The wild geraniums or cranesbills. Wild Flower Preservation Soc. Bull. [Circ.] 43. 3 p. Aug. 15, 1935.
- SAVAGE, D. A. A field aspirator for emasculating sweet clover flowers. (Note) Jour. Amer. Soc. Agron. 27: 774-775. Sept. 1935. (With Ft. Hays Branch Kans. Agr. Expt. Sta.)
- SCOFIELD, C. S. Discussion. Institute of irrigation agriculture. Special report on study of the movement and control of underground water, by Dr. Wm. Peterson. Amer. Farm Bur. Fed. Inst. Irrig. Agr. Water Users Conf. [Proc.] 4: 73-74. 1935. (Mimeographed)
- SHAMEL, A. D., and POMEROY, C. S. Searching for desirable citrus bud sports. Citrus Grower no. 42: 3,5,7. Aug. 1935. (In English and Dutch)
- SHAPORVALOV, M. Effect of certain chemicals on the "combination streak" virus of tomatoes. Phytopathology 25: 864-874. Sept. 1935.
- Graft versus insect transmissions of curly top in tomatoes (tomato yellows). Phytopathology 25: 844-853. Sept. 1935.
- SPRAGUE, R. A new leaf spot on oats. Northwest Sci. 9(3): 15. Sept. 1935. (With Oreg. and Wash. Agr. Expt. Sta.)
- SWALLEN, J. R. Two new grasses from the United States and Mexico. Jour. Wash. Acad. Sci. 25: 413-415. Sept. 15, 1935.

Bureau of Public Roads

- ELIOT, W. G. Types of regulation affect driving habits. Civil Engin. 5: 528-531. Sept. 1935.
- HARRISON, J.L. Job management in road building. - Pt. 6. Asphaltic concrete paving operations. Construction Methods 17(8): 46-49. Aug. 1935.
- PEABODY, L.E. Extract from report on Florida traffic survey: Characteristics of tourist traffic and transportation of citrus fruits discussed. Florida Public Works. 12(7): 111-116. Aug. 1935.
- THEE, T.C. Performances of key equipment used in highway construction. - Pt. 1. Roads and Streets. 78: 251-255. Aug. 1935.

-0-0-0-0-0-0-

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK*

Alabama

- FUNCHESS, M. J. Nitrogen in southern agriculture. Natl. Fert. Assoc. Proc. 11(1935): 103-115. 1935.
WILLIAMSON, J. T. Efficiency of ammoniated superphosphates for cotton. Jour. Amer. Soc. Agron. 27: 724-728. Sept. 1935.

Arizona

- BALL, E. D. (With P. KLINGENBERG, Univ. Ariz.) The genus *Oecleus* in the United States (Homoptera: Fulgoridae). Ann. Ent. Soc. Amer. 28: 193-213. June 1935.
BARTEL, A. T., MARTIN, J. H., and HAWKINS, R. S. Effect of tillers on the development of grain sorghums. Jour. Amer. Soc. Agron. 27: 707-714. Sept. 1935. (J. H. Martin, U. S. Dept. Agr.)

Arkansas

- BARTHOLOMEW, R. P. Fluorine, its effect on plant growth and its relation to the availability to plants of phosphorus in phosphate rocks. Soil Sci. 40: 203-217. Sept. 1935.

California

- ALMQUIST, H. J. (With E. L. R. STOKSTAD and E. R. HALBROOK, Univ. Calif.) Supplementary values of animal protein concentrates in chick rations. Jour. Nutrition 10: 193-211. Aug. 10, 1935.
BARRETT, J. T. An explanation of *Rhizomyxa hyemogaea* Borzi. Phytopathology 25: 898. Sept. 1935. (Abstract)
BARRETT, J. T. (With H. PARKER) Observations on a species of *Ligniera*, a root parasite of *Stellaria media*. Phytopathology 25: 893. Sept. 1935. (Abstract)
BARTHOLOMEW, E. T. Endoxerosis of lemon fruits as affected by the application of different amounts of irrigation water. Phytopathology 25: 897. Sept. 1935. (Abstract)
BLISS, D. E. The relation of *Penicillium verwoeseni* to a disease of ornamental palms. Phytopathology 25: 896. Sept. 1935. (Abstract)
DAVEY, A. E., and LEACH, L. D. Toxicity of compounds of ammonia to *Sclerotium rolfsii*. Phytopathology 25: 895-896. Sept. 1935. (Abstract)
GREGORY, P. W., and GOSS, H. Some relations of glutathione with growth and hereditary size. Amer. Soc. Anim. Prod. Proc. 27(1934): 208-211. Jan. 1935.
HUGHES, E. H. Relation between the refractive index and the moisture content of the fat and muscle of the pig. Amer. Soc. Anim. Prod. Proc. 27 (1934): 105-107, Jan. 1935.
JOSLYN, M. A. Preliminary observations on the mellowing and stabilization of wine. Fruit Prod. Jour. and Amer. Vinegar Indus. 15: 10-12, 24. Sept. 1935.
LEACH, L. D. (With A. E. DAVEY) Soil amendments for southern *Sclerotium rot* of sugar beets. Phytopathology 25: 896. Sept. 1935. (Abstract)

*Prepared in the Office of Experiment Stations Library

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California (continued)

- MACKIE, W. W. Aeroplane dusting with sulphur to combat stem rust of wheat. *Phytopathology* 25: 892-893. Sept. 1935. (Abstract)
- MACKIE, W. W. (With H. JOHANN and N. E. STEVENS) An unidentified species of *Sphaeropsis* on maize in California. *Phytopathology* 25: 893. Sept. 1935. (Abstract)
- REED, H. S. (With H. H. THORNBERRY) A peach tree disease recently discovered in California. *Phytopathology* 25: 897. Sept. 1935. (Abstract)
- RUDOLPH, B. A. An experiment to determine the susceptibility of flax to verticilliosis. *Phytopathology* 25: 892. Sept. 1935. (Abstract)
- SEVERIN, H. H. P. (With J. H. FREITAG) California celery mosaic diseases. *Phytopathology* 25: 891. Sept. 1935. (Abstract)
- SMITH, C. O. Crown gall on conifers. *Phytopathology* 25: 894. Sept. 1935. (Abstract)
- SNYDER, W. C. A new blight of pea in California. *Phytopathology* 25: 891. Sept. 1935. (Abstract)
- TAVERNETTI, J. R. Electric heat for propagating benches. *Agr. Engin.* 16: 353-355. Sept. 1935.
- TOMPKINS, C. M., TUCKER, C. M., and GARDNER, M. W. A *Phytophthora* root rot of cauliflower. *Phytopathology* 25: 893-894. Sept. 1935. (Abstract)
- TOMPKINS, C. M., TUCKER, C. M., and CLARKE, A. E. Root rot of aster caused by *Phytophthora cryptogea*. *Phytopathology* 25: 895. Sept. 1935. (Abstract)
- TUCKER, D. A., MARSH, G. L., and CRUESS, W. V. Experiments on the canning of apple juice. *Fruit Prod. Jour.* and *Amer. Vinegar Indus.* 15: 7-8. Sept. 1935 (D. A. Tucker (Ext.) on leave from Va. Agr. Coll., and G. L. Marsh, Univ. Calif.)

Connecticut (State)

- MENDEL, L. B. Fields of research in nutrition. *Jour. Home Econ.* 27: 415-420. Sept. 1935.
- MORGAN, M. F., and STREET, O. E. Rates of growth and nitrogen assimilation of Havana seed tobacco. *Jour. Agr. Research [U. S.]* 51: 168-172. July 15, 1935.

Connecticut (Storrs)

- PLASTRIDGE, W. N., ANDERSON, E. O., and WEIRETHER, F. J. A comparison of methods of detecting streptococci in freshly drawn milk samples. *Jour. Dairy Sci.* 18: 583-592. Sept. 1935.

Florida

- ARNOLD, P. T. D., and BECKER, R. B. The effect of season of the year and advancing lactation upon milk yield of Jersey cows. *Jour. Dairy Sci.* 18: 621-628. Sept. 1935.
- BECKER, R. B., and ARNOLD, P. T. D. Influence of season and advancing lactation on butterfat content of Jersey milk. *Amer. Dairy Sci. Assoc. (Southern Div. Abstracts of Papers 35(1934):* 4-5. [1934?] (Rec'd Aug. 1935)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Florida (Continued)

- ENSIGN, M. R. Factors influencing the growth and yield of potatoes in Florida. Plant Physiol. 10: 465-482. July 1935.
- NEAL, W. M., BECKER, R. B., and ARNOLD, P. T. D. The digestible nutrients of Napier grass and Crotalaria intermedia silages, Natal grass hay, and the dried refuses of grapefruit and orange canneries. Jour. Agr. Research [U.S.] 51: 173-176. July 15, 1935.
- PURVIS, E. R., and RUPRECHT, R. W. Borax as a fertilizer for celery. Amer. Fert. 83: 28. Sept. 21, 1935.
- RUEHLE, G. D. Spraying for the control of citrus scab. Citrus Indus. 16: 8-9, 17-18. May 1935.

Georgia

- ASCHAM, L. A study of iron metabolism with preschool children. Journ. Nutrition 10: 337-342. Sept. 10, 1935.

Idaho

- EKE, P. A. Financing the fruit grower. Idaho State Hort. Assoc. Proc. 39 (1934): 92-98. [1934?] (Rec'd Aug. 1935)
- HAEGELE, R. W. Our spray schedule from now until fall. Idaho State Hort. Assoc. Proc. 39(1934): 150-154. [1934?] (Rec'd Aug. 1935)
- HUNGERFORD, C. W. Nature and control of bacterial wilt of alfalfa. Idaho State Hort. Assoc. Proc. 39(1934): 154-157. [1934?]
- PIERCE, W. H. The inheritance of resistance to common bean mosaic in field and garden beans. Phytopathology 25: 875-883. Sept. 1935.
- THEOPHILUS, D. R. Soft curd milk. Inst. Dairying Proc. 8(1935): 25-28. 1935.
- WAKELAND, C. Idaho spray program for codling moth control in 1934. Idaho State Hort. Assoc. Proc. 39(1934): 28-34. [1934?] (Rec'd Aug. 1935)
- WOODS, E. [and others] The vitamin A content of pasture plants. III. Alfalfa (Medicago sativa L.) and smooth brome (Bromus inermis Leyss.) under pasture conditions and fed green. Jour. Dairy Sci. 18: 573-578. Sept. 1935.

Illinois

- COLBY, A. S. The chestnut situation in Illinois. Northern Nut Growers Assoc. Rpt. 25(1934): 47-49. [1935?]
- HAMILTON, T. S., and MITCHELL, H. H. A modification of the Sherman method of studying the multiple nature of vitamins, with an application to vitamin G. Jour. Nutrition 10: 117-128. Aug. 10, 1935.
- MITCHELL, H. H. The food value of ethyl alcohol. Jour. Nutrition 10: 311-335. Sept. 10, 1935.
- NEVENS, W. B. Lespedeza hay for dairy cattle. Jour. Dairy Sci. 18: 593-598. Sept. 1935.
- OUTHOUSE, J., SMITH, J., TWOMEY, I., and THORP, M. The influence of lactose, sucrose, and vitamin D on the mineral metabolism of rats. Jour. Home Econ. 27: 541. Oct. 1935. (Abstract) (J. Smith and M. Thorp, Univ. Ill.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Illinois
(Continued)

- RUEHE, H. A. Bang's disease or infectious abortion. Milk Plant Mo. 24: 44-46. Sept. 1935.
- RUTH, W. A. Suggested courses for students of animal husbandry. Amer. Soc. Anim. Prod. Proc. 27(1934): 154-164. Jan. 1935.
- WOODRUFF, S., PICKENS, L. (With J. M. SMITH, Univ. Ill.) Gelatin of egg sols in the presence of electrolytes. Jour. Home Econ. 27: 540-541. Oct. 1935. (Abstract)

Indiana

- GAYLORD, F. C. Holding our home markets. Veg. Growers Assoc. Amer., inc. Ann. rept. (1934): 208-210. [1935?]
- MARSHALL, G. E., and HIENTON, T. E. Light traps for codling moth control. Agr. Engin. 16: 365-368, 371. Sept. 1935.
- SHREWSBURY, C. L., and VESTAL, C. M. The nutritive value of packing-house by-products prepared by the wet and dry rendering processes. Amer. Soc. Anim. Prod. Proc. 27(1934): 115-120. Jan. 1935.
- WIANCKO, A. T., and MULVEY, R. R. Hill vs. row application of fertilizer for corn. Joint Com. on Fert. Application Proc. 10(1934): 42. [1935?]

Iowa

- BAKKE, A. L. The control of creeping Jennie. Iowa State Hort. Soc. Rpt. (1934) v. 69: 287-290. [1935]
- BAKKE, A. L., and STILES, H. Thermal conductivity of stored oats with different moisture content. Plant Physiol. 10: 521-527. July 1935.
- BYWATERS, J. H., CULBERTSON, C. C., and HAMMOND, W. E. The relationship of degree of inbreeding to size of litter in Poland China pigs. Amer. Soc. Anim. Prod. Proc. 27(1934): 215-217. Jan. 1935.
- ENBLOM, V. M., and SWANSON, P. P. Iron metabolism in the regression of nutritional anemia. Jour. Home Econ. 27: 539. Oct. 1935. (Abstract)
V. M. Enblom, Iowa State Col.)
- ERWIN, A. T. Mexico's contribution to our vegetable industry. Iowa State Hort. Soc. Rpt. (1934) v. 69: 274-276. [1935]
- FITCH, C. L. The potato price and acreage control. Iowa State Hort. Soc. Rpt. (1934) v. 69: 304-305. 1935.
- FITCH, C. L. The spraying and storage of Hubbard squash. Iowa State Hort. Soc. Rpt. (1934) v. 69: 290-292. [1935]
- FITCH, C. L. Ten years of peeling and cooking tests of potatoes. Iowa State Hort. Soc. Rpt. (1934) v. 69: 351-353. [1935]
- FITCH, C. L. What the wind did last spring and what the wind may do to the lake bed vegetable business. Iowa State Hort. Soc. Rpt. (1934) v. 69: 315-328. [1935]
- HABER, E. S. The present status of knowledge as to the causes inducing scallions in onions. Iowa State Hort. Soc. Rpt. (1934) v. 69: 338-340. [1935]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Iowa (Continued)

- HABER, E. S. Tomato varieties in 1933 and 1934. Iowa State Hort. Soc. Rpt. (1934) v. 69: 271-274. [1935]
- HAMMER, B. W. The creatine test for acetylmethylcarbinol plus diacetyl in butter cultures. Jour. Dairy Sci. 18: 579-581. Sept. 1935.
- HANSBERRY, T. R., and RICHARDSON, C. H. Codling moth bait trap records for 1934. Iowa State Hort. Soc. Rpt. (1934) v. 69: 83-89. [1935]
- HANSBERRY, T. R., and RICHARDSON, C. H. Experiments in codling moth control, summer, 1934. Iowa State Hort. Soc. Rpt. (1934) v. 69: 89-93. [1935]
- HUSSONG, R. V., and HALLER, B. W. The preparation of mold powder for blue-veined cheeses. Jour. Dairy Sci. 18: 599-601. Sept. 1935.
- KILDEE, H. H. A suggested introductory course in animal husbandry. Amer. Soc. Anim. Prod. Proc. 27(1934): 165-170. Jan. 1935.
- KIRK, W. G., THOMAS, B. H., and CULBERTSON, C. C. The effect upon the anti-rachitic activity of their milk when ewes are exposed to sunshine and ultra-violet rays. Amer. Soc. Anim. Prod. Proc. 27(1934): 182-188. Jan. 1935.
- LANTZ, H. L. Modern methods of cider making. Iowa State Hort. Soc. Rpt. (1934) v. 69: 28-33. [1935]
- LANTZ, H. L. New Varieties of fruits of interest to Iowa nurserymen and orchardists. Iowa State Hort. Soc. Rpt. (1934) v. 69: 181-188. [1935]
- LAYTON, D. Keeping the potato plants healthy. Iowa State Hort. Soc. Rpt. (1934) v. 69: 299-301. [1935]
- McNEW, G. L. Differences in the seasonal development of apple scab in Iowa in 1933 and 1934. Iowa State Hort. Soc. Rpt. (1934) v. 69: 78-82. [1935]
- MANEY, T. J. The Polly peach. Iowa State Hort. Soc. Rpt. (1934) v. 69: 13-15. [1935]
- MANEY, T. J., and FLAGGE, H. H. Some things we know about nursery and orchard stocks. Iowa State Hort. Soc. Rpt. (1934) v. 69: 49-58. [1935]
- PICKETT, B. S. Protecting fruit trees from winter injury. Iowa State Hort. Soc. Rpt. (1934) v. 69: 34-38. [1935]
- FLAGGE, H. H. Some recent results of apple storage investigations. Iowa State Hort. Soc. Rpt. (1934) v. 69: 21-27. [1935]
- RICHARDSON, C. H., and HANSBERRY, T. R. Comments on the history of the codling moth in Iowa. Iowa State Hort. Soc. Rpt. (1934) v. 69: 94-101. [1934]
- SCHULTZ, T. W. Competitive position of American lard. Amer. Soc. Anim. Prod. Proc. 27(1934): 28-31. Jan. 1935.
- SCHULTZ, T. W. Foreign trade situation related to Iowa fruit and truck crop prospects. Iowa State Hort. Soc. Rpt. (1934) v. 69: 146-157. [1935]
- STOUTMYER, V. T. Recent developments in plant propagation. Iowa State Hort. Soc. Rpt. (1934) v. 69: 188-190. 1935.
- TATE, H. D. Controlling the gladiolus thrips in Iowa. Iowa State Hort. Soc. Rpt. (1934) v. 69: 239-244. [1935]
- THOMAS, B. H., CULBERTSON, C. C., and REARD, F. The effect of ingesting soybeans and oils differing widely in their iodine numbers upon the firmness of beef fat. Amer. Soc. Anim. Prod. Proc. 27(1934): 193-199. Jan. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Kansas

- AUBEL, C. E. Testing the comparative palatability of different grains. Amer. Soc. Anim. Prod. Proc. 27(1934): 107-109. Jan. 1935.
- BOGART, R., and HUGHES, J. S. Ascorbic acid (vitamin C) in sprouted oats. Jour. Nutrition 10: 157-160. Aug. 10, 1935.
- COX, R. F., and CONNELL, W. E. Ground grain sorghum roughages for fattening lambs. Amer. Soc. Anim. Prod. Proc. 27(1934): 128-130. Jan. 1935.
- FAY, A. C. A method for the microscopic examination of butter. Jour. Dairy Sci. 18: 603-604. Sept. 1935.
- McCAMPBELL, C. W., and AUBEL, C. E. Calcium carbonate vs. calcium sulphate in swine rations. Amer. Soc. Anim. Prod. Proc. 27(1934): 189-190. Jan. 1935.
- PARKER, J. H. Insect resistance in crop plants. Northwestern Miller 183: 805-806. Sept. 18, 1935.
- SAVAGE, D. A. A field aspirator for emasculating sweet clover flowers. Jour. Amer. Soc. Agron. 27: 774-775. Sept. 1935. (Note) (Cooperating with U. S. Dept. Agr.)
- SWANSON, C. O., and ANDERSON, J. E. Atmospheric factors in milling; principles which make possible the establishment of any desired relative humidity. Northwestern Miller 183: 798, 804. Sept. 18, 1935.
- WEBER, A. D., and IBSEN, H. L. The occurrence of the double-muscled character in purebred beef cattle. Amer. Soc. Anim. Prod. Proc. 27(1934): 228-232. Jan. 1935.

Kentucky

- ANDERSON, W. S. Artificial insemination in light horse breeding. Amer. Soc. Anim. Prod. Proc. 27(1934): 205-207. Jan. 1935.
- GOOD, E. S., and HARRIS, W. J. Early cut versus late cut soybean hay as feed for stockers. Amer. Soc. Anim. Prod. Proc. 27(1934): 77-78. Jan. 1935.

Louisiana

- BRAY, C. I. Fattening cattle on pastures. Amer. Soc. Anim. Prod. Proc. 27 (1934): 65. Jan. 1935.
- LOVETT, H. C., and BARR, H. T. Cooperative fertilizer placement test with cotton, Baton Rouge, Louisiana, 1934. Joint Com. on Fert. Application Proc. 10(1934): 93. 1935? (Rec'd Aug. 1935)
- SNELL, M. G. Pasture gains of cattle, cattle and sheep, and sheep. Amer. Soc. Anim. Prod. Proc. 27(1934): 142-143. Jan. 1935.

Maine

- CHUCKA, J. A. Discussion of fertilizer placement studies in Maine, 1934. Joint Com. on Fert. Application Proc. 10(1934): 19-22. [1935?]
- DOVE, W. F. A study of individuality in the nutritive instincts and of the causes and effects of variations in the selection of food. Amer. Nat. 69: 469-544. Sept.-Oct. 1935.
- SOMERS, D. M., and SWEETMAN, M. D. The antiscorbutic potency of commercial tomato-juice cocktails. Jour. Home Econ. 27: 452-454. Sept. 1935. (D. M. Somers, Univ. Maine)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Massachusetts

- FELLERS, C. R., CLAGUE, J. A., and ISHAM, P. D. Value of commercially canned and laboratory-prepared tomato juices as antiscorbutics. Jour. Home Econ. 27: 447-451. Sept. 1935. (Research)
- JONES, L. H., and HASKINS, H. D. Distribution of roots in porous and non-porous plant containers. Plant. Physiol. 10: 511-519. July 1935.

Michigan

- BOUYOUCOS, G. J. The clay ratio as a criterion of susceptibility of soils to erosion. Jour. Amer. Soc. Agron. 27: 738-741. Sept. 1935.
- BRANAMAN, G. A., BROWN, G. A., and HUDSON, R. S. Methods of utilizing the corn crop for fattening steers. Amer. Soc. Anim. Prod. Proc. 27(1934): 78. Jan. 1935.
- BROWN, G. A., and BRANAMAN, G. A. Retail cutting records of yearling cattle. Amer. Soc. Anim. Prod. Proc. 27(1934): 238-240. Jan. 1935.
- BRYAN, C. S., and HUBER, F. T. The microscopic examination of producer samples of milk for streptococci of mastitis. Vet. Med. 30: 429-432. Oct. 1935.
- CARTER, L. S. Some chemical and biological changes produced in a Fox sandy loam by certain soil management practices. Soil Sci. 40: 223-236. Sept. 1935.
- COOK, R. L. A brief report of the fertilizer placement work on beans as conducted at the Michigan experiment station in 1934. Joint Com. on Fert. Application Proc. 10(1934): 57-59. [1935?]
- COOK, R. L. A brief report of the fertilizer placement work on sugar beets as conducted at the Michigan experiment station in 1934. Joint Com. on Fert. Application Proc. 10(1934): 104-106. [1935?]
- HAWKS, J. E., BRAY, M. M., MARTIN, J., and DYE, M. The influence of the nitrogen content of the diet on the caloric balance of preschool children. Jour. Home Econ. 27: 540. Oct. 1935. (Abstract) (J. Martin, Mich. State Col.)
- HUFFMAN, C. F. Minerals in the nutrition of dairy cattle. Amer. Soc. Anim. Prod. Proc. 27(1934): 44-49. Jan. 1935.
- HUFFMAN, C. F., and DUNCAN, C. W. Vitamin D studies in cattle. II. The vitamin D sparing action of magnesium in the ration of dairy cattle. Jour. Dairy Sci. 18: 605-620. Sept. 1935.
- KOHLIS, H. L. Seed production of space-isolated vs. bagged mother beets and a discussion of some factors influencing the latter. Jour. Amer. Soc. Agron. 27: 699-706. Sept. 1935. (Cooperating with U. S. Dept. Agr.)
- MAHONEY, C. A. Methods which the market gardener might use in breeding vegetables. Veg. Growers Assoc. Amer., inc. Ann. rept. (1934): 132-138. [1935?]
- MEGEE, C. R. A search for factors determining winter hardiness in alfalfa. Jour. Amer. Soc. Agron. 27: 685-698. Sept. 1935.
- MILLAR, C. E. Results from fertilizer placement tests on potatoes for 1934-Michiga. Joint Com. on Fert. Application Proc. 10(1934): 26-29. [1935?]
- NEILSON, J. A. Some notes on the hardiness of the English walnut in Michigan and Ontario. Northern Nut Growers Assoc. Rpt. 25(1934): 55-61. [1935?]
(Rec'd Sept. 1935)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Minnesota

- ALDERMAN, W. H. New Varieties of fruits for the upper Mississippi Valley. Iowa State Hort. Soc. Rpt. (1934) v. 69: 59-61. [1935]
- ALDERMAN, W. H. Plum pollination studies. Iowa State Hort. Soc. Rpt. (1934) v. 69: 16-18. [1935]
- BAILEY, C. H. What wheat does for man. Northwestern Miller 183: 858-859. Sept. 25, 1935.
- FERRIN, E. F. Production records as a basis for selection. Amer. Soc. Anim. Prod. Proc. 27(1934): 112-114. Jan. 1935.
- HARVEY, A. L. The hay requirement of work horses receiving corn and cob meal. Amer. Soc. Anim. Prod. Proc. 27(1934): 97-100. Jan. 1935.
- HODGSON, R. E. (With R. T. CLARK) Inbreeding swine for eight generations. Amer. Soc. Anim. Prod. Proc. 27(1934): 212-214. Jan. 1935.
- WINTERS, L. M., JORDAN, P. S., and KISER, O. M. A six years' study of cross-breeding swine. Amer. Soc. Anim. Prod. Proc. 27(1934): 218-220. Jan. 1935.

Mississippi

- ANDREWS, W. B. The effect of nitrogen content of rye on its rate of decomposition. Soil Sci. 40: 219-221. Sept. 1935.
- DORMAN, C. Fertilizer placement studies with cotton, State College, Mississippi 1934. Joint Com. on Fert. Application Proc. 10(1934): 85-90. [1935?]
- KUYKENDALL, R. Fertilizer placement studies in connection with seed bed preparation for cotton. Joint Com. on Fert. Application Proc. 10(1934): 91-92. [1935]
- MOORE, J. S. A comparison of legume hay with grass hay when fed in a balanced ration to dairy cows. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 35(1934): 6-8. [1934?] (Rec'd Aug. 1935)
- SMITH, M. R. Two new species of North American Strumigenys (Formicidae: Hymenoptera), Ann. Ent. Soc. Amer. 28: 214-216. June 1935.

Missouri

- GILES, G. W. Machine application of fertilizer on corn. Joint Com. on Fert. Application Proc. 10(1934): 43-46. [1935?]
- HOGAN, A. G., JOHNSON, S. R., and ASHWORTH, U. S. Rate of growth in relation to the plane of protein intake. Amer. Soc. Anim. Prod. Proc. 27(1934): 179-181. Jan. 1935.
- MCKENZIE, F. F., and BOGART, R. The afterbirth as an index to the thrift of the lamb. Amer. Soc. Anim. Prod. Proc. 27(1934): 221-224. Jan. 1935. (R. Bogart, U. S. Dept. Agr.)
- MURNEEK, A. E. Physiological role of asparagine and related substances in nitrogen metabolism of plants. Plant Physiol. 10: 447-464. July 1935.
- SWENSON, A. C., and CLINE, J. A. Composition of cooked and uncooked beef. Jour. Home Econ. 27: 541. Oct. 1935. (Abstract) (A. C. Swenson, Univ. Mo.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Montana

CHITTENDEN, D. W. Horse production in the range country. Amer. Soc. Anim. Prod. Proc. 27(1934): 87-88. Jan. 1935.

Nebraska

BAKER, M. L. Feeding cattle on native grass in southwestern Nebraska. Amer. Soc. Anim. Prod. Proc. 27(1934): 60-62. Jan. 1935.

PUTNAM, H. W., BLISE, M. J., and SANDSTEDT, R. M. Factors affecting maltose values in the ferricyanide method for diastatic activity. Cerebl Chem. 12: 494-504. Sept. 1935. (H. W. Putnam, Hays City Flour Mills, Hays, Kans.)

SANDSTEDT, R. M. A collaborative study of the manometric determination of gassing power. Cerebl Chem. 12: 517-519. Sept. 1935.

Nevada

CHURCH, J. E. Principles of snow surveying as applied to forecasting stream flow. Jour. Agr. Research [U. S.] 51: 97-130. July 15, 1935.

New Jersey

JOFFE, J. S., KARDOS, L. T., and MATTESON, S. The laws of soil colloidal behavior. XVII. Magnesium silicate - its base-exchange properties. Soil Sci. 40: 255-268. Sept. 1935.

SPRAGUE, R. A new leaf spot on oats. Northwest Sci. 9: 15. Sept. 1935.

New Mexico

EYER, J. R. Observations on the pathological histology and phyto-chemistry of psyllid yellows. Phytopathology 25: 895. Sept. 1935. (Abstract)

New York (Cornell)

HOUGHLAND, G. V. C., and HARTMAN, J. D. Fertilizer placement studies with potatoes on Long Island. Joint Com. on Fert. Application Proc. 10(1934): 35-38. [1935?] (Rec'd Aug. 1935) (G. V. C. Houghland, U. S. Dept. Agr.)

SAINT-PIERRE, J. M., MORRISON, F. B., and WILLMAN, J. P. Relative efficiency of limited and full-feeding for fattening pigs in dry lot. Amer. Soc. Anim. Prod. Proc. 27(1934): 101-104. Jan. 1935. (J. M. Saint-Pierre, U. S. Dept. Agr.)

WHITE, E. A. What is rural electrification? Agr. Engin. 16: 356-357. Sept. 1935.

WORK, P. Regional markets. Veg. Growers Assoc. Amer., Inc. Ann. rept. (1934): 330-338. [1935?]

New York (State)

SAYRE, C. B. Fertilizer placement for vegetable crops. Joint Com. on Fert. Application Proc. 10(1934): 52-54. [1935?] (Rec'd Aug. 1935)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

New York (State)
(Continued)

- SAYRE, C. B. Where do fertilizers go after they are applied? Amer. Fert. 82: 11. Sept. 7, 1935.
SLATE, G. L. Winter injury of filberts at Geneva 1933-34. Northern Nut Growers Assoc. Rpt. 25(1934): 36-40. [1935?]

North Carolina

- MANN, H. B. Investigations on the mechanical application of fertilizers for cotton. Joint Com. on Fert. Application Proc. 10(1934): 79-84. [1935?]
WILLIS, L. G. Significance of minor plant foods. Joint Com. on Fert. Application Proc. 10(1934): 113-115. [1935?]

Ohio

- BAYFIELD, E. G. Report of the subcommittee on viscosity. Cereal Chem. 12: 532-535. Sept. 1935.
GERLAUGH, P. An all-purpose supplement. Amer. Soc. Anim. Prod. Proc. 27(1934): 74-76. Jan. 1935.
HOFFMAN, I. C. Mineral deficiency symptoms in tomatoes and cucumbers. Veg. Growers Assoc. Amer., inc. Ann. rept. (1934): 160-166. [1935?]
HOUGHLAND, G. V. C., and BUSHNELL, J. Discussion of the Ohio fertilizer placement experiment on potatoes, 1934. Joint Com. on Fert. Application Proc. 10(1934): 23-25. [1935?] (Rec'd Aug. 1935) (G. V. C. Houghland, U. S. Dept. Agr.)
MORRIS, V. H., and SAYRE, J. D. Solubility of potassium in corn tissues. Plant Physiol. 10: 565-568. July 1935. (Cooperating with U. S. Dept. Agr.)
SALTER, R. M., and REED, C. O. Corn planter fertilizer experiment, the Ohio agricultural experiment station, 1934. Joint Com. on Fert. Application Proc. 10(1934): 39-41 [1935?] (Rec'd Aug. 1935)
SALTER, R. M. The direct use of superphosphate. Natl. Fert. Assoc. Proc. 11(1935): 116-133. 1935.

Oklahoma

- COONS, C. M., and COONS, R. R. Some effects of cod liver oil and wheat germ on the retention of iron, nitrogen, phosphorus, calcium and magnesium during human pregnancy. Jour. Nutrition 10: 289-310. Sept. 10, 1935.
CRAFT, W. A. Type changes in an inbred stock of swine. Amer. Soc. Anim. Prod. Proc. 27(1934): 110-111. Jan. 1935.
THOMPSON, C. P. The effect of a low protein ration on the prenatal and post-natal development of the rat. Amer. Soc. Anim. Prod. Proc. 27(1934): 177-178. Jan. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

Oregon

- DANA, B. F., and McWHORTER, F. P. An outbreak of curly top on pansy. Phytopathology 25: 894. Sept. 1935 (Abstract)
- McWHORTER, F. P. (With J. A. MILBRATH) The interpretation of Oregon tip blight on a basis of causal viruses. Phytopathology 25: 897-898. Sept. 1935 (Abstract)
- McWHORTER, F. P. The properties and interpretation of tulip-breaking viruses. Phytopathology 25: 898. Sept. 1935. (Abstract)
- McWHORTER, F. P. The symptoms of narcissus mosaic developed within the plant. Phytopathology 25: 896-897. Sept. 1935. (Abstract)
- RODENWOLD, B.W., and SIMMS, B.T. Iodine for brood mares. Amer. Soc. Anim. Prod. Proc. 27(1934): 89-92. Jan. 1935.
- RUZEK, C. V. Fertilizers in the production program. Idaho State Hort. Assoc. Proc. 39(1934): 13-21. [1934?] (Rec'd Aug. 1935)

Pennsylvania

- CLYDE, A. W. Vertical hitching of farm implements. Agr. Engin. 16: 358-360, 364. Sept. 1935.
- FORBES, E.B. [and others] The plane of protein intake as affecting food utilization. Amer. Soc. Anim. Prod. Proc. 27(1934): 181-182. Jan. 1935.
- FREAR, D. E. H. Photoelectric apparatus for measuring leaf areas. Plant Physiol. 10: 569-574. July 1935.
- GUERRANT, N. B., KOHLER, E., HUNTER, J. E., and MURPHY, R. R. The relationship of the vitamin D intake of the hen to the antirachitic potency of the eggs produced. Jour. Nutrition 10: 167-178. Aug. 10, 1935. (E. Kohler, Penn. State Col.)
- KEITH, T. B., and HENNING, W. L. Linseed meal a supplement for alfalfa hay and corn for growing and fattening lambs. Amer. Soc. Anim. Prod. Proc. 27(1934): 140-142. Jan. 1935.
- NICHOLAS, J. E., and CALLENCBACH, E. W. Temperature distribution as a function of electric brooder performance. Agr. Engin. 16: 361-364. Sept. 1935.

South Carolina

- COOPER, H. P. Report on fertilizer placement experiment with cotton, Clemson College, South Carolina. Joint Com. on Fert. Application Proc. 10(1934): 77-78. [1935?]

South Dakota

- FRANKE, K. W., and POTTER, V. R. A new toxicant occurring naturally in certain samples of plant foodstuffs. IX. Toxic effects of orally ingested selenium. Jour. Nutrition 10: 213-221. Aug. 10, 1935.
- FRANKE, K. W. A new toxicant occurring naturally in certain samples of plant foodstuffs. X. The effect of feeding toxic foodstuffs in varying amounts, and for different time periods. Jour. Nutrition 10: 223-231. Aug. 10, 1935.
- FRANKE, K. W. A new toxicant occurring naturally in certain samples of plant foodstuffs. XI. The effect of feeding toxic and control foodstuffs alternately. Jour. Nutrition 10: 233-239. Sept. 10, 1935. (Cooperating with U. S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(continued)

Texas

- COVER, S. The effect of high and low oven temperatures on the tenderness of meat. Jour. Home Econ. 27: 542. Oct. 1935. (Abstract)
- HALE, F. The relation of vitamin A to the eye development in the pig. Amer. Soc. Anim. Prod. Proc. 27(1934): 126-128. Jan. 1935.
- SMITH, H. P. Fertilizer placement studies on cotton in Texas for 1934. Joint Com. on Fert. Application Proc. 10(1934): 94. [1935?]
- WARWICK, B. L. (With R. O. BERRY and W. R. HORLACHER, A. & M. Col. of Texas) Results of mating rams to Angora female goats. Amer. Soc. Anim. Prod. Proc. 27(1934): 225-227. Jan. 1935.
- WHITACRE, J. Seasonal variations of growth in weight and height of Texas school children. Jour. Home Econ. 27: 540. Oct. 1935. (Abstract)

Utah

- KNOWLTON, G. F. Four western aphids. Ann. Ent. Soc. Amer. 28: 281-284. June 1935.

Virginia

- ZIMMERLEY, H. H. Machine application of fertilizer to beans; discussion of Virginia experiments. Joint Com. on Fert. Application Proc. 10(1934): 60-63. [1935?] (Rec'd Aug. 1935)
- ZIMMERLEY, H. H. Summary of fertilizer placement studies with vegetable crops and field beans. Joint Com. on Fert. Application Proc. 10(1934): 47-51. [1935?] (Rec'd Aug. 1935)

Washington

- BENDIXEN, H. A. Summary of the monthly educational butter scoring at the State College of Washington. Inst. Dairying. Proc. 8(1935): 64-79. 1935.
- DUMMEIER, E. F. Controlling prices of dairy products. Inst. Dairying. Proc. 8(1935): 148-150. 1935.
- GOLDING, N. S. A review of recent Cheddar cheese making experiments. Inst. Dairying. Proc. 8(1935): 3-10. 1935.
- HODGSON, R. E. Pasture and pasture management. Inst. Dairying. Proc. 8(1935): 124-127. 1935.
- KNOTT, J. C. Roughages for winter milk production. Inst. Dairying. Proc. 8(1935): 127-129. 1935.
- PROUTY, C. C. Transmission and detection of mastitis. Inst. Dairying. Proc. 8(1935): 127-129. 1935.
- SOTOLA, J. When to cut cereal hays. Amer. Soc. Anim. Prod. Proc. 27(1934): 152-154. Jan. 1935.

West Virginia

- PIERRE, W. H., and BROWNING, G. M. The temporary injurious effect of excessive liming of acid soils and its relation to the phosphate nutrition of plants. Jour. Amer. Soc. Agron. 27: 742-759. Sept. 1935.
- TAYLOR, J. R., jr., and PIERRE, W. H. Non-acid-forming mixed fertilizers. II. The value of dolomitic limestone supplements of different degrees of fineness as measured by the increase in water-soluble magnesium in the soil. Jour. Amer. Soc. Agron. 27: 764-773. Sept. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Wisconsin

- CASIDA, L. E. Ovarian stimulation in immature farm animals. Amer. Soc. Anim. Prod. Proc. 27(1934): 144-145. Jan. 1935. (Abstract)
- CHAPMAN, A. B., and CASIDA, L. E. Factors associated with breeding efficiency in dairy cattle. Amer. Soc. Anim. Prod. Proc. 27(1934): 57-59. Jan. 1935.
- DOUGHTY, J. L. Phosphate fixation in soils, particularly as influenced by organic matter. Soil Sci. 40: 191-202. Sept. 1935.
- HAYWARD, J. W. BOHSTEDT, G., and FARGO, J. M. Soybean oil meals prepared at different temperatures as feed for pigs. Amer. Soc. Anim. Prod. Proc. 27(1934): 123-126. Jan. 1935. (J. W. Hayward, Univ. Wis.)
- HOGGAN, I. A. Two viruses of the cucumber mosaic group on tobacco. Ann. Appl. Biol. 22: 27-36. Feb. 1935. (In coop. with Div. Tobacco & Plant Nutrition, U. S. Dept. Agr.)
- KOCH, K., and JOHNSON, J. A comparison of certain foreign and American potato viruses. Ann. Appl. Biol. 22: 37-54. Feb. 1935. (K. Koch, Univ. Wis.)
- NIEMANN, C., ROBERTS, R. H., and LINK, K. P. Isolation and determination of starch in plant tissue. Plant Physiol. 10: 579-580. July 1935. (C. Niemann, Univ. Wis.)
- PHILLIPS, P. H. Glandular response to fluorine in the ration. Amer. Soc. Anim. Prod. Proc. 27(1934): 200-201. Jan. 1935. (Abstract)
- RIKER, A. J. (With F. R. JONES, U. S. Dept. Agr., and M. C. DAVIS, Univ. Wis.) Bacterial leaf spot of alfalfa. Jour. Agr. Research [U. S.] 51: 177-182. July 15, 1935.
- ULLSTRUP, A. J. Studies on the variability of pathogenicity and cultural characters of *Gibberella saubinetii*. Jour. Agr. Research [U. S.] 51: 145-162. July 15, 1935. (Cooperating with U. S. Dept. Agr.)
- WALKER, J. C., and LARSON, R. H. Calcium cyanamide in relation to control of clubroot of cabbage. Jour. Agr. Research [U. S.] 51: 183-189. July 15, 1935. (J. C. Walker, U. S. Dept. Agr.)
- WILSON, A. R. The influence of *Phytomonas tumefaciens* and *Phytomonas rhizogenes* on the actual acidity of certain liquid and agar substrata. Phytopathology 25: 854-863. Sept. 1935.

Wyoming

- BURNS, R. H. Teaching wool grading and shrinkage estimation. Amer. Soc. Anim. Prod. Proc. 27(1934): 131-139. Jan. 1935.
- HULTZ, F. S. Discussion of "The importance of the teacher in teaching," by H. W. Mumford. Amer. Soc. Anim. Prod. Proc. 27(1934): 171-172. Jan. 1935.
- THIESSEN, E. J. Penetrometer and photomicrographic studies of two varieties of potatoes grown upon dry and irrigated land. Jour. Home Econ. 27: 539. Oct. 1935. (Abstract)

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BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Culver, D. C., comp. Selected descriptive list of sources for the study of federal administration. Berkeley, 1935. Multigraphed.
- Meixell, G. The trade catalog collection; a manual with source lists. New York, Special libraries association, 1934. Mimeographed.
- Special libraries association. Trade association bureau. Trade associations in the United States; a finding list of directories. New York, 1934.
- Trade associations in the United States; a reading and reference list. New York, 1934.
- Save the redwoods league. Bibliography of the redwoods; reading list of articles, pamphlets and books on the Sequoia sempervirens. Berkeley, California, 1935.

U. S. Department of Agriculture

Bureau of Agricultural Economics.

Barley and barley malt; abstracts and references; grades, statistics, tariffs, varieties, quality requirements, uses, and related subjects, also lists of brewing journals, and manufacturers of barley malt and pearled barley. Compiled by C. Louise Phillips and E. G. Boerner. 1935. 75 p. (Issued by Grain division) Mimeographed.

Bureau of Agricultural Engineering.

Bibliography on combined harvester-threshers (a selected list of references) Compiled by Dorothy W. Graf. 1935. 23 p. (Issued by the Bureau Library) Mimeographed.

Bibliography on new building materials. Compiled by Dorothy W. Graf. 1935. 9 p. (Issued by the Bureau Library) Mimeographed.

Electricity on the farm (a partial list of references) 1920-1934. Compiled by Dorothy W. Graf. 1935. 110 p. Mimeographed.

Bureau of Biological Survey.

Available publications of the Bureau of biological survey. Revised August 1935. 6 p. (Wildlife research and management leaflet BS-4) Prepared in the Division of public relations. Mimeographed.

Bureau of Chemistry and Soils.

Partial list of references on gums. Compiled by V. A. Pease. 1935. 4 p. (Issued by Food research division) Mimeographed.

Bureau of Entomology and Plant Quarantine.

Bibliography of the effect of light on insects. Compiled by Inc. L. Hawes. 1935. 10 p. (E-352) (Issued by the Bureau library) Mimeographed.

Library.

References on the significance of the frontier in American history. Compiled by Everett E. Edwards, Associate Agricultural Economist, Bureau of Agricultural Economics. 1935. 63p. Mimeographed.

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LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1935.*

Arizona

- Arizona 4-H club leaders' manual. H. R. Baker. (Ariz. Agr. Col. Ext. Circ. 86.) Tucson, 1935.
Making cheddar and cottage cheese on the farm. R. N. Davis. (Ariz. Agr. Col. Ext. Circ. 86.) Tucson, 1935.

California

- Spinach production in California. G. W. Scott. (Calif. Agr. Col. Ext. Circ. 92.) Berkeley, 1935.

Hawaii

- Foods for 4-H clubs, breakfasts - luncheons, first year. K. Shellhorn and J. H. Zimmerman. (Hawaii Univ. Agr. Ext. Bul. 21.) Honolulu, 1935.
Foods for 4-H clubs, luncheons, dinners or suppers, second year. K. Shellhorn and J. H. Zimmerman. (Hawaii Univ. Agr. Ext. Bul. 22.) Honolulu, 1935.

Illinois

- Illinois farm economics. nos. 1, 3. June, Aug. 1935. Urbana.

Maryland

- Home canning in Maryland. M. McPheeters. (Md. Univ. Agr. Ext. Bul. 55, rev.) College Station, 1935.

Massachusetts

- Tools and equipment for sewing. E. C. Page. (Mass. State Col. Ext. Leaflet 158.) Amherst, 1935.

Minnesota

- Making the home lawn. L. E. Longley. (Minn. Univ. Agr. Ext. Spec. Bul. 130, rev.) University Farm, St. Paul, 1935.

Mississippi

- Mississippi spray calendar - orchard pest control practices. H. M. McKay. (Miss. State Col. Ext. Circ. 43, 2d rev.) State College, 1934.

New Hampshire

- 4-H organization standards in New Hampshire. C. B. Wadleigh (N. H. Univ. [Agr.] Ext. Junior Circ. 44.) Durham, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1935

(Continued)

New York

- List of publications for general distribution ... (N. Y. Agr. Col. (Cornell) Ext. Bul. 47, rev.) Ithaca, 1935.
- Diseases, and insect and other pests, of the field bean in New York. W. H. Burkholder and C. R. Crosby. (N. Y. Agr. Col. (Cornell) Ext. Bul. 58, rev.) Ithaca, 1935.
- Bang's diseases in cattle. R. R. Birch and H. L. Gilman. (N. Y. Agr. Col. (Cornell) Ext. Bul. 326.) Ithaca, 1935.
- Clothing for children. R. J. Scott. (N. Y. Agr. Col. (Cornell) Ext. Bul. 328.) Ithaca, 1935.
- How to control your weight. H. M. Hauck. (N. Y. Agr. Col. (Cornell) Ext. Bul. 329.) Ithaca, 1935.
- Milk-house construction. B. A. Jennings. (N. Y. Agr. Col. (Cornell) Ext. Bul. 330.) Ithaca, 1935.
- Rural government in New York. M. P. Catherwood. (N. Y. Agr. Col. (Cornell) Ext. Bul. 331.) Ithaca, 1935.
- References, p. 39.

North Dakota

- Home drying of fruits and vegetables in North Dakota. (N. Dak. Agr. Col. Ext. Circ. 131.) State College Station, Fargo, 1935.

Ohio

- Quick bread. M. E. Gerlaugh. (Ohio Agr. Col. Ext. Bul. 162.) Columbus, 1935.
- Cakes and cookies. O. Hughes. (Ohio Agr. Col. Ext. Bul. 163.) Columbus, 1935.
- Electrical service for Ohio farms, now available through the R. E. A. I. P. Blauser. (Ohio Agr. Col. Ext. Bul. 165.) Columbus, 1935.

Oregon

- Poultry housing. F. L. Knowlton and others. (Oreg. Agr. Col. Ext. Bul. 480.) Corvallis, 1935.
- Uses of the guide pattern. A. Sager. (Oreg. Agr. Col. Ext. Bul. 482.) Corvallis, 1935.
- Home Economics Series.

Puerto Rico

- El servicio de extensión agrícola en Puerto Rico. M. F. Barrus and M. E. Keown. (Puerto Rico Univ. Agr. Ext. Bul. 1.) Rio Piedras, 1935.
- Los injertos y su aplicacion en la finca. H. T. Cowles and E. Mattei. (Puerto Rico Univ. Agr. Ext. Bul. 2.) Rio Piedras, 1935.
- Semilleros de tabaco. F. J. Rodriguez. (Puerto Rico Univ. Agr. Ext. Bul. 3.) Rio Piedras, 1935.

Oct. 7, 1935

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1935
(Continued)

Washington

- Eat apples. R. Russell and L. W. Hunt. (Wash. State Col. Ext. Bul. 204.) Pullman, 1935.
Clothing for 4-H club girls, third year. M. Lowery. (Wash. State Col. Ext. 4-H Club Circ. 40.) Pullman, 1935.

West Virginia

- Building foundations for life enrichment in West Virginia, through the state 4-H camp, West Virginia's leaders' training school at Jackson's Mill under the direction of the Extension service, College of agriculture, West Virginia University. (W. Va. Agr. Col. Ext. Circ. 309.) Morgantown, 1935.
A guide to planning the home grounds. T. D. Gray. (W. Va. Agr. Col. Ext. Circ. 310.) Morgantown, 1935.
Poultry houses and appliances for West Virginia. H. M. Hyre and others. (W. Va. Agr. Col. Ext. Circ. 311.) Morgantown, 1935.
How safe is your home? G. Humphreys. (W. Va. Agr. Col. Ext. Good Living Ser. III, Lesson no. 9, Adventures in Better Living.) Morgantown [1935]

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"How one successful Central Indiana dairy-hog farm is operated (110 acres)" by J. C. Bottum, is the title of a mimeographed bulletin recently issued by the Agricultural Experiment Station, Purdue University, Lafayette, Indiana. It is Stencil Bulletin No. 9, May 1935.

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CONGRESSES

- Congrès de pomologie. Oct. 5 and 7, 1935. Bruxelles, Belgique. M. F. Dufour, Secrétaire Général du Comité national de Pomologie, Chaussée d'Houthem, 40, Vilvorde, Belgique.
Congrès international de zoologie, 12th, Lisbonne, Portugal, Sept. 15-21, 1935. Prof. A. Ricardo Jorge, President. Address: Faculdade de Ciencias, Lisboa, Portugal.
The International Commission of Agriculture will hold its next meeting, 1936, in Oslo, Norway.

THE GEOPONIKA, OR THE XX BOOKS OF AGRICULTURAL PRECEPTS OF
CONSTANTINE CAESAR

The following extracts are taken from a brief article by Lettice M. Crump, which appeared in the Records of the Rothamsted Staff of Harpenden, no. 5, June 1935, under the title given above.

"The XX Books of Constantine Caesar contain a variety of agricultural information collected from many sources. The identity of the editor and the date at which he compiled this work are both matters of considerable doubt, but the theory most commonly held is that a certain Cassianus Bassus was responsible for a Greek manuscript, produced in the sixth or early seventh century, and that his work was later attributed to Constantine Porphyrogenitus, who was Emperor of Eastern Rome in the ninth century, and was a patron of art and literature, and the author of several works. There are, however, at least two other early manuscripts in addition to the Greek one, one Arabic and one Syrian, and, if either of these should prove to be earlier than the Greek, Cassianus Bassus becomes merely a translator and not a compiler. If the Arabic version is the original, the author was probably a man named Kossus; no definite name is associated with the Syrian version. Translations into Latin, French, German, Italian and English have all been made at various dates, and the Rothamsted Library contains the following printed editions: 1538 Basle, 1538 Venice, 1540 Basle, 1541 Lyons, 1542 Venice, 1545 Poitiers, 1545 Strasbourg, 1549 Venice, 1551 Strasbourg, 1554 Venice.

"In any case, 'The XX Books' are made up of quotations from the works of forty-four earlier authors, and each book deals with one general subject, but is divided into numerous short chapters. The first twelve books deal with various crops and the methods of treating them; vines bulk largest, but grain and flowers are also considered, and so are a number of trees. The later books deal with insect pests and their destruction, with bees, and with all kinds of domestic birds, beasts and fishes. Very little is known about many of the original authors, and they cover a wide range of years. Cassianus Bassus himself figures among them as the author of two brief chapters on the culture of the vine; in one of these he gives hints on the time of planting, and in the other on methods of treating unhealthy plants, and in one he alludes to Maratonyne as his native land, and in the other claims familiarity with the customs of Bithynia. The critical work that has been done on the early manuscripts has mostly been carried out by German commentators, and while one believes Cassianus Bassus to have been a man owning land and slaves, with a country estate, another asserts that his interest in agriculture was purely academic, and his knowledge invariably second-hand. Whatever the truth may be, this author of doubtful identity, with his disputed position and his unknown date, has produced a book of real interest to the modern world, showing the mixture of knowledge and superstition that informed the husbandmen of South-Eastern Europe during the first thousand years of the Christian era."

Editorial Note: The U. S. Department of Agriculture Library has the following printed editions: 1538 Venice, 1539 Basle, 1543 Leyden, 1545 Strasbourg, 1549 Venice, 1550 Paris, 1554 Strasbourg, 1563 Strasbourg. The Library also has a translation from the Greek, by the Rev. T. Owen, which was published in London in 1805.

THE IMPROVEMENT OF THE PUBLISHING OF BOTANICAL WORK

Summary of Proposals

By Dr. Susan J. Wellensiek, Buitenzorg, Java

[Editorial Note: At the Sixth International Botanical Congress held at Amsterdam, Holland, September 2-7, 1935, Dr. Susan J. Wellensiek, Plant Pathologist at the Algemeen Proefstation voor Thee, Buitenzorg, Java, presented a detailed report on the publishing of botanical work. This report included statistical data indicating "that an improvement of the efficiency of publishing is highly desirable." Following is the summary of Dr. Wellensiek's proposals to accomplish this end. Her report was referred by the Congress to a special committee]

- I. That English be made the official botanical world language, which would mean that all papers, containing first-hand technical information and not written in English, should contain an English summary.
- II. That a small working committee be appointed, to which the secretaries of the botanical societies all over the world act as correspondents ex-officio, while the committee should also keep in touch with librarians of large botanical libraries. This committee should, as fast as possible, prepare and publish a report which will serve as a basis for a final discussion and for the fixing of rules regarding the technical phases of publishing. The committee is instructed, as a basis for preparing its report, and definite proposals:
 1. To study the literature on the subject of publishing botanical work, also on publishing on related fields, such as chemistry, medicine a. s. o.
 2. To collect the opinions of botanists and of library people, who are able to judge.
 3. To study the existing rules on standardization of size of journals and such-like.
 4. To prepare a complete list of botanical journals, indicating whether they are semi- or wholly popular and to which special field they are devoted. To this list registers should be added.
 5. To study the preparation of journals in general in order to increase their efficiency.
 6. To study the technical composition of individual publications, regarding title, author's name and address, mentioning of date of publication, table of contents, literature citation, summary, reprints.
 7. To do anything which it considers worth while doing with regard to the subject.
- III. As to the composition of the working committee, it is suggested that it should consist of three botanists - eventually of two botanists and one botanical librarian - situated in a place with a large botanical library, in a country with a favourable attitude towards the work to be done. Such a place might, for instance, be Washington, D. C., U. S. A.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during September 1935, exclusive of bibliographies*
and current issues of serials.**

Agricultural Adjustment Administration

Detailed outline of AAA amendments (Public no. 320, enacted August 24, 1935)
1935. 17 p.

Progress in adjusted cotton under the Agricultural adjustment act. Address
by Cully A. Cobb. [Aug. 1935] 9 p. (Issued by Division of cotton)

Sources of information on consumer organization and education. 1935. 12 p.

Status of all marketing agreements issued by the Agricultural adjustment
administration to [Sept. 11, 1935] 16 p.

Wheat conference manual for use at regional, state, and county conferences
and meetings in Aug.-Sept. 1935 on the wheat production adjustment program
for 1936-1939. 1935. unp. (Issued by Division of grains, Wheat section)

Bureau of Agricultural Economics

Agricultural loans held by commercial banks. 1935. 3 p. (Issued by
Division of agricultural finance)

A brief review of the Oregon-Washington fresh prune season, 1935. 2 p.

Cost of production of melons, cantaloupes, honeydew melons, watermelons.
Data from studies in 13 states, selected years, 1914-32. Compiled
from official sources by H. W. Hawthorne. 1935. 26 p. (Issued by
Division of management and costs)

Cost of production of onions. Data from studies in 18 states, selected
years, 1914-34. Compiled from official sources by R. P. Matteson
and H. W. Hawthorne. 1935. 29 p.

Increased supplies of by-product feeds relieved shortage of feed grains
in 1934-35. 6 p. (Special feed review. Aug. 22, 1935) (Issued by Hay,
feed and seed division)

Index numbers of prices, taxes and interest payable by farmers. By
Arthur G. Peterson. 1935. 7 p. (Issued by Division of statistical and
historical research)

Livestock, meats, and wool market statistics and related data, 1934.
Compiled in Livestock, meats and wool division by the Statistical
section. 1935. 121 p.

*Bibliographies included in general list of bibliographies on page

**For a list of the principal series issued regularly, see v. 9, no. 10,
p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (Continued)

Objectives in federal grain supervision. By Edward C. Parker. 1935. 27 p. Address, Annual meeting, Grain and feed dealers' national association, St. Louis, Missouri, Sept. 20, 1935. (Issued by Grain division)

Preparation and marketing of flue-cured tobacco. By Frank B. Wilkinson and Hugh W. Taylor. 1935. 16 p.

Quality of 1935 grain crops. 1935. 3 p. (Issued by grain division)

The summer wheat outlook. 1935. 3 p.

Tax delinquency of rural real estate in 139 Connecticut towns, 1928-33. 1935. 11 p. (Issued by Division of agricultural finance)

Tax delinquency of rural real estate in 37 Massachusetts towns, 1928-33. 1935. 11 p. (Issued by Division of agricultural finance)

Tax delinquency of rural real estate in 23 Pennsylvania counties, 1928-33. 1935. 13 p. (Issued by Division of agricultural finance)

Tentative U. S. standards and grades for dressed turkeys. Sept. 1935. 8 p.

Truck receipts of fresh fruits and vegetables at 12 important markets for calendar years 1934 and 1933 stated in car-load equivalents by months for 1934 and totals for 1934 and 1933. 1935. 34 p. (Issued by Market news service)

Warehousemen licensed under United States warehouse act as of the close of August 31, 1935. 18 p.

Bureau of Agricultural Engineering

Preparing cotton gins for the commencement of the season. By Chas. A. Bennett. 1935. 4 p.

Self-Angling disk jointer. 1935. 2 p. (Issued by Division of mechanical equipment)

Some engineering features involved in the United States cotton ginning investigations. By Chas. A. Bennett. 1935. 10 p. (Paper presented before the Texas cotton ginner's association, at Dallas, Texas, April 5, 1935)

Variable-depth cotton planter. 1935. 2 p. (Issued by Division of mechanical equipment)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Bureau of Animal Industry

- Equine encephalomyelitis. By L. T. Giltner... and M. S. Shahan...[1935]
5 p. (Issued by Pathological division)
- National poultry improvement plan. 1935. 13 p. (A.H.D. no.14) (Issued
by Animal husbandry division)

Bureau of Biological Survey

- Bird refuges and big-game preserves administered by the Bureau of biological
survey. 1935. 7 p. (Wildlife research and management leaflet BS-13)
- Planting for wildlife in the corn belt. By W. L. McAtee. 1935. 2p.
(Wildlife research and management leaflet BS-14)
- Planting for wildlife in the cotton belt. By W. L. McAtee. 1935. 2 p.
(Wildlife research and management leaflet BS-15)
- Protecting grain crops from damage by wild fowl. By E. R. Kalmbach. 1935.
7 p. (Wildlife research and management leaflet BS-13)
- Wildlife of the Atlantic coast salt marshes. By W. L. McAtee. 1935. 22 p.
(Wildlife research and management leaflet BS-17)

Bureau of Chemistry and Soils

- Causes and prevention of dust explosions and dust fires in industrial
plants. Address by David J. Price [before] session on fire prevention
in industry, National safety congress, Louisville, Ky., Oct. 15, 1935.
6 p. (Issued by Chemical engineering division)
- How to make best quality sorghum sirup. [By] C. F. Walton, jr., E. K. Ventre
and S. Byall. Revised July 1935. 6 p.
- How to prevent slow boiling, scorching, clabbering, and sugaring of sorghum
sirup. By C. F. Walton, jr., E. K. Ventre and S. Byall. Revised July
1935. 6 p.
- Information regarding the equipment (with estimated cost) required for using
the method of processing honey described in the article entitled "A small
plant for filtering honey", by H. S. Paine and R. E. Lothrop. 1935. 2 p.
- Progress made in dust explosion prevention in food industries. Address by
David J. Price, [at] Food section, National safety congress, Louisville,
Ky., Oct. 15, 1935. 3 p. (Issued by Chemical engineering division)
- Report on studies on uniformity of quality of sugars. 1935. 17 p. (Issued
by Carbohydrate division and Food research division)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Bureau of Entomology and Plant Quarantine

Moth catcher for laboratory use. By F. H. Lathrop. 1935. 2 p. (ET-59)
(Issued by Division of fruit insect investigations)

Extension Service

The economic situation which led to the five national programs affecting agriculture. By R. B. Corbett. 1935. 27 p. (Issued by Division of cooperative extension)

A proposed school for extension workers to be conducted in the several states by the Department of agriculture under the supervision of the directors of state extension services. 1935. 6 p.

Forest Service

Annual report for fiscal year 1935 and investigative program for fiscal year 1936 [of Northeastern forest experiment station] 1935. 26 p.

Behavior of house paints on different woods. By F. L. Browne...1934.
25 p. (Issued by Forest products laboratory, in cooperation with the University of Wisconsin, Madison, Wisconsin)

Effectiveness of paint primers and paints in retarding the absorption of moisture by wood. By F. L. Browne, 1933. 27 p. (Issued by Forest products laboratory in cooperation with the University of Wisconsin, Madison, Wisconsin)

An eight-year progress report of the Central states forest experiment station, 1927-1935. By Willis M. Baker. 1935. 5 p.

Factors that influence the decay of untreated wood in service and comparative decay resistance of different species. By Geo. M. Hunt...Revised July, 1935. 5 p. (Issued by Forest products laboratory, in cooperation with the University of Wisconsin, Madison, Wisconsin)

Forest research digest, Jan. 1935 - monthly. (Issued by The Lake states forest experiment station)

Outlets for wood waste; a general statement of actual and potential uses of various kinds of wood waste. 1934. 31 p. (Issued by Forest products laboratory, in cooperation with the University of Wisconsin)

Some notes in the "blinker" moisture indicator for wood. By M. E. Dunlap. 1935. 11 p. (Issued by Forest products laboratory in cooperation with the University of Wisconsin)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service

(Continued)

Special printing paints for wood. By F. L. Browne. 1934. 15 p. (Issued by Forest products laboratory in cooperation with the University of Wisconsin, Madison, Wisconsin)

Technic of determining the causes of damage to package goods in storage and transit. By T. A. Carlson. 1934. 41 l. (Issued by Forest products laboratory, in cooperation with the University of Wisconsin, Madison, Wisconsin)

The use of the rod mill for fiber processing (a collection of publications on the rod mill) Compiled by P. K. Baird. 1931. 80 p. (Issued by Forest products laboratory, in cooperation with the University of Wisconsin, Madison, Wisconsin)

Bureau of Home Economics

Planning farm family living. 1935. 21 p.

Bureau of Plant Industry

Foreign wheat introductions. 1935. 18 p. (Issued by Division of cereal crops and diseases)

Preliminary estimates of crop losses, 1934. 1935. 23 p. (Issued by Division of mycology and disease survey)

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DUPLICATES OFFERED FOR EXCHANGE
By the U. S. Department of Agriculture Library

The Analyst; the organ of the Society of public analysts and other analytical chemists. v. 32-38 (1907-1913) bound; v. 45, Jan.-Feb., Apr., June-Dec. (1920); unbound; v. 46, Feb.-Dec. (1921), unbound.

Annales de chimie analytique... et revue de chimie analytique réunies.
v. 12-20 (1907-1915) bound.

Annales des falsifications et de fraudes. v. 1-6 (1908-1913) bound; v. 7 (1914) unbound, lacking Aug.-Dec.

Bulletin de l'association des chimistes de sucrerie et de distillerie de France et des colonies. t. 20 (1902-1903) bound.

Bulletin international de la répression des fraudes. v. 1-6 (1908-1913) bound.

British food journal. v. 9-15 (1907-1913) bound.

Chemiker-zeitung. v. 31-37 (1907-1913) bound.

Chemisch-technisches repertorium; beilage der Chemiker-zeitung. v. 31-37 (1907-1913) bound.

Der Chemische akersmann. Jahrg. 1-21 (1855-1875) bound.

Journal of the Society of chemical industry. v. 28-32 (1909-1913) bound.

Zeitschrift für analytische chemie begründet von R. Fresenius. Jahrg. 46-52 (1907-1913) bound.

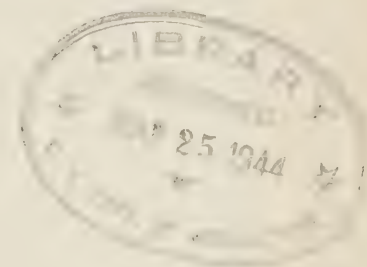
Zeitschrift für untersuchung der nahrungs und genussmittel. v. 1-26 (1896-1913) bound.

Gesetze und verordnungen sowie gerichtsentscheidungen betreffend nahrungs- und bebrauchsgegenstände; beilage to Zeitschrift für untersuchung der nahrungs und genussmittel. v. 1-5 (1909-1913) bound.

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ISSUED MONTHLY
BY THE
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY
WASHINGTON
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PRINCIPAL LIBRARY ACCESSIONS

Apiculture

- EMELÉN, D. A. van. Cartilha de apicultor brasileiro. Ed. 3. S. Paulo, Chacaras e quintas, 1934.
- SNELGROVE, L. E. Swarming; its control and prevention. Ed. 2. Paulton (Somerset) and London, Purnell, 1935.
- ZANDER, E. D. H. Beiträge zur herkunftbestimmung bei honig. v. 1. Berlin, Reichsfachgruppe imker, 1935.

Bacteriology

- KOLLE, W., and HETSCH, H. Experimental bacteriology in its applications to the diagnosis, epidemiology, and immunology of infectious diseases. Translated from the 7th ed. London, Allen & Unwin, 1934.

Biography

- BIDDLE, V. René Bache. Philadelphia, Dorrance, 1935.
- NATIONAL CYCLOPAEDIA OF AMERICAN BIOGRAPHY. Indexes: personal and topical indexes to the published volumes. New York, White, 1935.

Botany

- BOWER, F. O. Primitive land plants. London, Macmillan, 1935.
- DELEVOY, G. Contribution à l'étude de la végétation forestière de la vallée de la Lukuga (Katanga septentrional) Bruxelles, Hayez, 1933. (Extrait des Mémoires publiés par l'Institut royal colonial belge (Section des sciences naturelles et médicales) Collection in 80. tome 1)
- HILLMANN, J. Teloschistaceae, von J. Hillmann. Physciaceae, von B. Lynge. Leipzig, 1935. (Dr. L. Rabenhorsts Kryptogamen-flora von Deutschland, Österreich und der Schweiz. bd. 9, abt. 6)
- MAGNUSSON, A. H. Acarasporeae und Thelocarpaceae, von A. H. Magnusson. Pertusariaceae, von C. F. E. Erichsen. Leipzig, 1935. (Dr. L. Rabenhorsts Kryptogamen-flora von Deutschland, Österreich und der Schweiz. bd. 9, abt. 5, t. 1)
- PRÄGER, R. L. The botanist in Ireland. Dublin, Hodges, Figgis, 1934.
- SCHIMPER, A. F. W. Pflanzengeographie auf physiologischer Grundlage. Ed. 3. Jena, Fischer, 1935.

Chemistry

- BAUSCH, H. Arbeitsvorschriften zur chemisch-technischen betriebskontrolle für die studierenden des Instituts für garungsgewerbe an der Landwirtschaftlichen hochschule in Berlin. Ed. 2. Berlin, 1934.
- FIESER, L. F. Experiments in organic chemistry. Boston, Heath, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Chemistry (Continued)

- GERIACH, W. Clinical and pathological applications of spectrum analysis. Translation of part II of "Die chemische emissionspektralanalyse", London, Hilger, 1934.
- HILGER, A., Ltd., London. The practice of spectrum analysis with Hilger instruments, comp. by F. Twyman. Ed. 6. London, 1935.
- HISCOX, G. D., ed. Henley's twentieth century book of formulas, processes and trade secrets, Rev. ed. New York, Henley, 1935.
- MORTON, R. A. The application of absorption spectra to the study of vitamins and hormones. London, Hilger, 1935.
- PERKIN, F. M. Qualitative chemical analysis, organic and inorganic. Ed. 5, London, Longmans, Green, 1935.
- STARCK, H. P. Volumetric analysis. London, Bailliere, Tindall and Cox, 1934.
- Qualitative analysis tables (an appendix to "Volumetric analysis") London, Bailliere, Tindall and Cox, 1934.
- WYCKOFF, R. W. G. The structure of crystals. Supplement for 1930-1934 to Ed. 2. New York, Reinhold, 1935. (American chemical society. Monograph series no. 19A)

Commerce

- CROWTHER, S. A second primer; the results of a year of simple arithmetic. New York, Chemical foundation, 1935.
- FANSON, I. D. Foreign trade in the U.S.S.R. London, Gollancz, 1934.
- MANCHESTER, Eng. CHAMBER OF COMMERCE. Official handbook, 1935. Manchester, 1935.
- UNION SOCIAL ECONOMICA DE CUBA. Cooperation. Havana, "Omega", 1935.

Comparative anatomy

- ELLENBERGER, W., and BAUM, H. Handbuch der vergleichenden anatomie der haustiere Ed. 17. Berlin, J. Springer, 1932.
- HESSE, R., and DOFLEIN, F. Tierbau und tierleben in ihrem zusammenhang betrachtet. Ed. 3. v. 1. Jena, Fischer, 1935.

Concrete

- BÖHM, F. Das betonieren bei frost. Ed. 2. Berlin, Ernst, 1935.
- BROOME, D. C. The testing of bituminous mixtures. London, Arnold, 1934. (The roadmakers' library, v. 2)
- CAUGHEY, R. A. Reinforced concrete - mechanics and design. Ann Arbor, Mich., Edwards, 1933.
- GREEN, J. S. Concrete engineering. v.1. London, Griffin, 1933.
- LEA, F. M., and DESCH, C. H. The chemistry of cement and concrete. New York, Longmans, Green, 1935. (Revision of Desch's "The chemistry and testing of cement")
- STROYER, R. Concrete structures in marine work. Westminster and Kingston-on-Thames, Knapp, Drewett, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Cooperation

- ANDERSON, R. A. With Horace Plunkett in Ireland. London, Macmillan, 1935.
COTTA, F. Agricultural co-operation in fascist Italy. London, King, 1935.
MARKETING CONFERENCE AND CO-OPERATIVE INSTITUTE, Olds, Alberta, 1934. Report.
[n.p., 1934?]
PIERRE, prince of Greece. Les coopératives agricoles danoises et le marché
extérieur. Paris, Sirey, 1935.
POLIN, R., and CHARON, J. G. Les coopératives rurales et l'état en Tchécoslov-
aquie et en Roumanie. Paris, Alcan, 1934.

Dairying

- INTERNATIONAL MILK CONGRESS. 10th, Rome, Milan, 1934. [Report] Roma, 1934.

Directories

- JUNK, W. Dipterologi. Den Haag, Junk, 1935.
SPECIAL LIBRARIES DIRECTORY OF THE UNITED STATES AND CANADA. Ed. 3. New York,
Special libraries association, 1935.

Economics

- BRUTSKUS, B. D. Economic planning in soviet Russia. London, Routledge, 1935.
CANADIAN INSTITUTE ON ECONOMICS AND POLITICS. Addresses and outlines of
addresses given July 30 to Aug. 11, 1934. [n.p.] National Council YMCAs
Canada [1934?] Mimeographed.
CREAMER, D. Is industry decentralizing? A statistical analysis of locational
changes in manufacturing employment, 1899-1933. Philadelphia, 1935. (Bulletin
no. 3. Study of population redistribution. Industrial research dept., Wharton
school of finance and commerce, University of Pennsylvania)
EMORY UNIVERSITY, ATLANTA. INSTITUTE OF CITIZENSHIP. Political and economic
problems of the South. 1935. (Addresses and discussion 8th annual Institute)
GINSBERG, M. Sociology. London, Butterworth, 1934.
GOODRICH, C. L., and others. Migration and planes of living, 1920-34.
Philadelphia, 1935. (Bulletin no. 2. Study of population redistribution.
Industrial research dept., Wharton school of finance and commerce, University
of Pennsylvania)
HAWAII (Ter.) UNEMPLOYMENT WORK RELIEF COMMISSION. Emergency relief in
territory of Hawaii, U.S.A. Honolulu, Advertiser pub. co., 1935.
HAYEK, F. A. von, ed. Collectivist economic planning; critical studies on the
possibilities of socialism by N. G. Pierson, Ludwig von Mises, Georg Halm, and
Enrico Barone. London, Routledge, 1935.
INSTITUT SCIENTIFIQUE DE RECHERCHES ÉCONOMIQUES ET SOCIALES, Paris. Tableaux
de l'économie française. Paris, Sirey, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Economics (Continued)

- INTERNATIONAL LABOR OFFICE, Geneva. International comparisons of cost of living. Geneva, 1934. (Studies and reports, series N (Statistics) no.20)
- JEROME, H. Mechanization in industry. New York, 1934. (National bureau of economic research, inc. Publications no. 27)
- KANSAS. LEGISLATIVE COUNCIL. RESEARCH DEPT. The social security program. Sect. 1-2. Topeka, 1935.
- MASSACHUSETTS. DEPT. OF LABOR AND INDUSTRIES. DIVISION OF STATISTICS. Report on the census of unemployment in Massachusetts as of Jan. 2, 1934. Boston, 1935. (Labor bulletin no. 171)
- MORENO, J. L. Who shall survive? A new approach to the problem of human inter-relations. Washington, 1934. (Nervous and mental disease monograph series no. 58)
- MOULTON, H. G. Income and economic progress, Washington, 1934. (Institute of economics of the Brookings institution. Publication no. 68)
- NATIONAL SURVEY OF POTENTIAL PRODUCT CAPACITY. Report, New York, 1935.
- NEW ENGLAND COUNCIL. STATISTICAL DEPT. An audit of the new deal in New England. [Boston? 1934]
- NODEL, V. A. Supply and trade in the U.S.S.R. London, Gollancz, 1934.
- PHILLIPS, M. C., and SCHLINK, F. J. Discovering consumers. New York, 1934. (John Day pamphlets. no. 43)
- ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS Abyssinia and Italy. New York, Oxford university press, 1935.
- SCOTT, J. W. Self-subsistence for the unemployed. London, Faber and Faber, 1935.
- WISCONSIN. UNIVERSITY. UNIVERSITY EXTENSION DIVISION. DEPT. OF DEBATING AND PUBLIC DISCUSSION. County and town government. Madison, 1935. Mimeographed.

Economics, Agricultural

- BALTIMORE ASSOCIATION OF COMMERCE. MARYLAND DEVELOPMENT BUREAU. The agricultural industry of Maryland. Baltimore, 1934. Photolithographed.
- FORSTER, G. W. Farm organization and management. Ann Arbor, Mich., Edwards, 1935. Lithoprinted.
- GOLDSTEIN, I. M. The agricultural crisis. Is it a temporary problem? New York, Day, 1935.
- HARPER ADAMS AGRICULTURAL COLLEGE, Newport, Eng. Commercial egg farming; an economic study of representative enterprises in the north and west, 1931-1934. Shrewsbury, Wilding [1935?]
- HERBETTE, F. L'experience Roosevelt et l'agriculture. Paris, 1935. (Supplement au Bulletin quotidien, février 1935. Société d'études et d'informations économiques)
- HOUILIER, F. L'organisation internationale de l'agriculture. Les institutions agricoles internationales et l'action internationale en agriculture. Paris, Librairie technique et économique, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Economics, Agricultural
(Continued)

- KNAPP, W. H. C. World dislocation and world recovery; agriculture as the touchstone of the economic world events. London, King, 1935.
- KOLB, J. H., and BRUNNER, E. de S. A study of rural society. Boston, Houghton Mifflin, 1935.
- MARIN, L. El cultivo del algodón. pt. 1. Tacubaya, D. F., Mexico, Secretaría de agricultura y fomento, 1931.
- MASPÉTIOL, R. La crise du blé en France et dans le monde. Paris, Pedone, 1935.
- NEW JERSEY. AGRICULTURAL EXPERIMENT STATION, New Brunswick. Cost of producing milk in New Jersey, August 1933 - April 1935. New Brunswick, N. J., 1935. Mimeographed.
- POLIVKA, V. La question de blé dans les pays danubiens. Paris, Rodstein, 1934.
- WILLCOX, O. W. Nations can live at home. New York, Norton, 1935.
- WISCONSIN. UNIVERSITY. UNIVERSITY EXTENSION DIVISION. DEPT. OF DEBATING AND PUBLIC DISCUSSION. Agricultural adjustment program. Madison, 1934. Mimeographed.

Engineering

- AMERICAN RAILWAY ENGINEERING ASSOCIATION. Specifications for the design and construction of steel railway bridges, concrete railway structures. Chicago, 1935.
- AMERICAN STANDARDS ASSOCIATION. American standard drawings and drafting room practice. New York, 1935.
- ATKINS, E. A. Electric arc and oxy-acetylene welding. Ed. 2. London, Pitman, 1934.
- EVANS, L. T. Handbook of rigid frame analysis. Ann Arbor, Mich., Edwards, 1934.
- FABER, O. Examples of steel design under the new code of practice. London, Oxford, 1934.
- GEDO, J. D. Theory of superstatic structures. New York, Photo-litho service, 1934.
- MATTHEWS, E. R. Coast erosion and protection. Ed. 3. London, Griffin, 1934.

Entomology

- DAGLISH, E. F. How to see insects. London, Dent, 1934.
- ECKSTEIN, K. Die schmetterlinge Deutschlands mit besonderer berücksichtigung ihrer biologien. v. 1-5 Stuttgart, Lutz, 1913-33.
- FROHAWK, F. W. The complete book of British butterflies. London, Ward, Lock, 1934.
- SAVORY, T. H. The spiders and allied orders of the British Isles. London, Warne, 1935.
- SPANN, J. Die biologien der rinderdasselfliegen. Ed. 3. Hannover, Schaper, 1935.
- STRASBURGER, E. H. Drosophila melanogaster Meig. Berlin, Springer, 1935.
- THOMSON, Sir J. A. The ways of insects. London, Newnes [1935?]

PRINCIPAL LIBRARY ACCESSIONS

(Continued)

Finance

- DURBIN, E. F. M. The problem of credit policy. London, Chapman & Hall, 1935.
- EINZIG, P. World finance since 1914. London, Paul, Trench, Trubner, 1935.
- HARRIS, J. P. County finances in the state of Washington. Seattle, Wash., 1935. (University of Washington publications in the social sciences, v.5, no.4)
- HERISSON, M. Le crédit agricole mutuel au Maroc. Paris, Rousseau, 1934.
- HISKETT, W. R. Social credits or socialism. London, Gollancz, 1935.
- INSTITUTO NACIONAL DE PREVISION. Las inversiones de fondos del seguro social, por E. Luño. Madrid, 1933.
- LEWIS, J. Douglas fallacies; a critique of social credit. London, Chapman & Hall, 1935.
- NASH, E. F. Machines and purchasing power. London, Routledge, 1935.
- TUTTE, W. A. Douglas social credit for Canada. Vancouver, B. C., Social credit pub. co., 1934.

Food, Cookery

- AMERICAN DIETETIC ASSOCIATION. Allergy diet recipes. Chicago, 1934.
- AMERICAN MEDICAL ASSOCIATION. COMMITTEE ON FOODS. General decisions on foods and food advertising. Chicago, 1935.
- Rules and regulations. Chicago, 1935.
- BOMSKOV, C. Methodik der vitaminforschung. Leipzig, Thieme, 1935.
- CONGRESSIONAL CLUB, Washington, D. C. The Congressional cook book. Washington, 1933.
- FERGUSON, E. Mexican cookbook. Santa Fe, N.M., Rydal, 1934.
- LAW AND CONTEMPORARY PROBLEMS. The protection of the consumer of food and drugs. Durham, N. C., School of law, Duke university, 1933. (V. 1, no.1)
- MARSHALL, A. P., ed Martha Washington's rules for cooking used everyday at Mt. Vernon. Ed. 2. Washington, 1931-32.
- PATTEE, A. F. Practical dietetics, Ed. 20. Mount Vernon, N. Y., Pattee, 1935.
- STANLEY, L., and CLINE, J. A. Foods, their selection and preparation. Boston, Ginn, 1935.

Forestry, Wood

- CANADA. DEPT. OF THE INTERIOR. FOREST SERVICE. FOREST PRODUCTS LABORATORIES. Canadian woods; their properties and uses. Ottawa, 1935.
- HARRAR, E. S. Forest dendrology. pt. 1 Seattle, Wash., Minor press, 1935.
- HUFNAGL, L. Praktische anleitung zur waldwertrechnung. Wien, Springer, 1934.
- ILLICK, J. S. An outline of general forestry. New York, Barnes & Noble, 1935.
- MICHIGAN FOREST FIRE EXPERIMENT STATION, Roscommon. "The use of shallow wells in forest fire suppression". Lansing, 1934. Photolithographed.
- NATIONAL LUMBER MANUFACTURERS ASSOCIATION. Wood structural design data. v. 1. Washington, 1935.
- ESTVELD, R. H. Applied silviculture in the United States. Ann Arbor, Mich., Edwards, 1935. Photolithographed.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

History

DORMAN, L. Party politics in Alabama from 1850 through 1860. Wetumpka, Ala., 1935. (Alabama. Dept. of archives and history. Publication. Historical and patriotic series. no. 13)

Home Economics

FRIEND, M. R. Earning and spending the family income. Rev. ed. New York, Appleton-Century, 1935.

JENSEN, M. B., and others. Fundamentals of home economics. New York, Macmillan, 1935.

Horticulture

BOWLES, E. A. A handbook of narcissus. London, Hopkinson, 1934.

SWEET, A. J. Ornamental shrubs and trees. London, Dent, 1935.

VIOSCA, P. Delta irises and their culture. New Orleans, La., 1935. (Delta iris plantation. Research department contribution)

Housing

HARDY, C. O., and KUCZYNSKI, R. R. The housing program of the city of Vienna. Washington, 1934. (Institute of economics of the Brookings institution. Publication no. 57)

J47485. 100 new towns for Britain. A scheme of national reconstruction. Ed. 3. London, Simpkin Marshall, 1934.

ROSAHN, B. G. Housing management - its history and relation to present day housing problems. New York, National municipal league, 1935.

Irrigation

BROHIER, R. L. Ancient irrigation works in Ceylon. v.1. Colombo, Ceylon government press, 1934.

Land

CALIFORNIA. STATE CHAMBER OF COMMERCE. Land use planning; a series of radio talks. San Francisco, 1934. Mimeographed.

CHINA. COMMISSION ON LAND RESEARCH AND PLANNING. The function of the Commission. Nanking, China, International relations committee [1935?]

JOHNSON, C. S., and others. The collapse of cotton tenancy. Chapel Hill, University of North Carolina press, 1935.

LAND SETTLEMENT ASSOCIATION Ltd., London. Smallholdings; organization and finance. London [1935?]

LAUPHEIMER, G., and HOGEL-WERTENSON, M. Die vorstädtische kleinsiedlung in der mark Brandenburg und in der Grenzmark. Berlin, Deutsches forschungsinstitut für agrar- und siedlungswesen, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Land (Continued)

- MARYLAND. STATE PLANNING COMMISSION. Preliminary statement on problems of land use in the state of Maryland. [Annapolis?] 1935. Mimeographed.
- OREGON PLANNING COUNCIL. A land classification program for the agricultural lands of Oregon. [n.p.] 1934. Mimeographed.

Library economy

- HEADICAR, B. M. A manual of library organization. London, Allen & Unwin, 1935. (Library association series of Library manuals. 7)

Marketing

- CONACHER, H. M. The agricultural marketing acts. Edinburgh, Green, 1935.
- GT. BRIT. HOPS MARKETING BOARD. The Hops marketing scheme, 1932, as amended. London, H. M. Stationery off., 1934.
- INDIANA. LAWS, STATUTES, etc. Milk control law. Indianapolis, 1935.
- NEWTON, C. R. Practical and legal aspects of consignment marketing. v. 1. Washington, Mimeoform press, 1935. Mimeographed.
- WALWORTH, G. Marketing schemes. Ed. 3. Reddish, Stockport, Eng., Co-operative union ltd., 1935.

Mathematics

- FINNEY, H. A. Principles of accounting. Ed. 2. New York, Prentice-Hall, 1935.
- HOSMER, W. A., and others. Problems in accounting. New York, McGraw-Hill, 1934.
- WHITTAKER, E. T., and ROBINSON, G. Calculus of observations - a treatise on numerical mathematics. Ed. 2. London, Blackie, 1932.

Noise

- McLACHLAN, N. W. Noise. London, Oxford university press, 1935.

Pathology, Physiology.

- GIRGES, R. Schistosomiasis (bilharziasis). London, Bale & Danielsson, 1934.
- MacCALLUM, W. G. A text-book of pathology. Ed. 5. Philadelphia, Saunders, 1935.
- McKINLEY, E. R. A geography of disease. Washington, G. Washington university press, 1935. (Supplement to the American journal of tropical medicine, v.15, no.5)
- STEDMAN, T. L. A practical medical dictionary. Ed. 12. Baltimore, Wood, 1934.
- WRIGHT, S. Applied physiology. Ed. 5. New York, Oxford university press, 1935.

Pharmacognosy

- TREASE, G. E. A text-book of pharmacognosy. London, Baillière, Tindall and Cox, 1934.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Planning boards

- IOWA. STATE PLANNING BOARD. The forgotten house; a graphic bulletin of housing conditions among the lower income groups in Iowa. [Ames? 1935?]
Lithographed.
- IOWA. STATE PLANNING BOARD. COMMITTEE ON INDUSTRY. The production and marketing of cornstalk insulation board. [Ames?] 1935. Mimeographed.
- IOWA. STATE PLANNING BOARD. COMMITTEE ON POPULATION AND SOCIAL TRENDS. The Iowa community: its program with special reference to recreation and leisure-time activities. [Ames?] 1935. Mimeographed.
- NEW HAMPSHIRE. STATE PLANNING AND DEVELOPMENT COMMISSION. State planning in New Hampshire. Concord, N. H., 1935. Multigraphed.
- NEW YORK (STATE) STATE PLANNING BOARD. A graphic compendium of planning studies. Albany, 1935. Multigraphed.
- NEW YORK (STATE) STATE PLANNING BOARD. The press and state planning. Albany, 1935. Mimeographed.
- OREGON PLANNING COUNCIL. A preliminary plan for Oregon. (n.p.) 1934. Mimeographed.
- TENNESSEE. STATE PLANNING COMMISSION. An outline of the taxing ability and governmental facilities of Tennessee counties. Nashville, 1935.
Mimeographed.
- VIRGINIA. STATE PLANNING BOARD. Report. v. 1. [Richmond?] 1935. Mimeographed.

Poultry

- FORSYTH, R. M. Chick sexing made easy. Vancouver, B. C., Pacific coast motorist, 1934.

Prices

- BEZANSON, A., and others. Prices in colonial Pennsylvania. Philadelphia, 1935. (Industrial research dept. Wharton school of finance and commerce. University of Pennsylvania, Philadelphia. Research studies 26)
- ROBERTSON, J. S. The income theory of prices. London, Warne, 1935.

Roads

- AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS. Standard specifications for highway materials and methods of sampling and testing. Washington, 1935.
- LE GAVRIAN, P. L. Les chaussées modernes. Ed. 2. Paris, Bailliere, 1935.
- WILKINSON, T. W. From track to by-pass; a history of the English road. London, Methuen, 1934.

Science

- BOYD, T. A. Research. New York, Appleton-Century, 1935.
- The Frustration of Science. New York, Norton, 1935.
- MARSHAK, I. I. Men and mountains, by K. Ilip. Philadelphia, Lippincott, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Soils

- CORRET, A. S. Biological processes in tropical soils, with special reference to Malaysia. Cambridge, Eng., Heffer, 1935.
CUTLER, D. W., and CRUMP, L. M. Problems in soil microbiology. London, Longmans, Green, 1935.

Statistics

- CANADA. BUREAU OF STATISTICS. INTERNAL TRADE DIVISION. Seventh census of Canada, 1931. Census of merchandising and service establishments. Ottawa, 1935.
MAKIN, F. B. Practical statistics. London, Gee, 1935.

Taxation

- AMERICAN INSTITUTE OF REAL ESTATE APPRAISERS. EDUCATION AND RESEARCH COMMITTEE. Appraisal terminology. Milwaukee, 1935.
BARTON, J. T. A revenue system for Texas cities. Austin, 1935. (Texas. University. Municipal studies, no.3)
COOK CO., ILL. ASSESSOR. Personal property assessment manual. Chicago, 1934.
FLORIDA. SPECIAL COMMITTEE ON TAXATION AND PUBLIC DEBT. Report. Tallahassee, 1935.
IOWA. LAWS, STATUTES, etc. Statute laws of Iowa relating to assessment and taxation in force July 4, 1934. Ed. 2. Des Moines, 1934.
NEW YORK (STATE) LAWS, STATUTES, etc. Personal income tax law of New York and tax on unincorporated businesses with 1935 amendments. Albany, 1935.
REEVES, C. E. A manual of practice in appraising real estate. Prepared for the State tax department of New Jersey. Union City, N. J., Hudson dispatch printers, 1933.

Technology

- AMERICAN SOCIETY FOR TESTING MATERIALS. Symposium on paint and paint materials. Philadelphia, 1935.
GARCÍA MATA, C. Estudio económico de la producción y consumo de aceites comestibles en la Argentina. Buenos Aires, Ministerio de agricultura, 1935.
JOHN, W. D. The shoe finishers' guide. Newport, Mon., Eng., Johns, 1934.
SOCIETY OF DYERS AND COLOURISTS, Bradford, Eng. (Yorkshire) The jubilee issue of the Journal of the Society. 1884-1934. Bradford, Yorks [1934?]

Textiles, Fibres

- COURTAULDS, Limited, Coventry. Fibro, its manufacture and uses. London, Bemrose [1935?]
INDIA. TARIFF BOARD. Report regarding the grant of protection to the cotton textile industry. Calcutta, 1932.
OROZCO, J. C. Monografía económica-industrial de la fabricación de hilados y tejidos de algodón. Mexico, D.F., Imp. en multigrafos y mimeografos, 1933. Mimeographed.

PRINCIPAL LIBRARY ACCESSIONS
(Continued)

Veterinary medicine

- MILLER, W. C., ed. Black's veterinary dictionary. Ed. 2. London, Black, 1935.
MOORE, W., and others. A veterinary history of North Carolina. Tarboro, N.C., Hill, 1934.
WOOLDRIDGE, G. H., ed. Encyclopaedia of veterinary medicine. Ed. 2. London, Oxford university press, 1934.

Weeds

- KORSMO, E. Unkrauttabel - Weed plates. Oslo, Norsk lithografisk officin, 1934.
Accompanied by text: explanation to professor Dr. E. Korsmo's Weed plates, series I, plates I-XXX.

Zoology, Natural history

- CARR, J. W. The invertebrate fauna of Nottinghamshire. Nottingham, Nottingham naturalists' society, 1916.
---- Supplement. Nottingham, 1935.
FRANCIS, E. T. B. The anatomy of the salamander. Oxford, Clarendon press, 1934.
GRAND CANYON NATURAL HISTORY ASSOCIATION. Natural history bulletin. no. 1. Grand Canyon, Ariz., 1935.
HERRICK, F. H. The American eagle. New York, Appleton-Century, 1934.
MAETERLINCK, M. Pigeons & spiders. London, Allen & Unwin, 1935.
NOLTE, W. Zur biologie des rebhuhns. Neudamm, Neumann, 1934.

Theses

- BEHREND, E. Vergleichende untersuchungen von bodenzaidität und kalkzustand auf 9 gütern des kreises Teltow mit besonderer berücksichtigung der beiden güter Rengsdorf und Werben. Zeulenroda, 1935. Inaug.-diss. Landw.hochschule, Berlin.
BERGK, K. Die getreideversorgung Europas. Würzburg, 1934. Inaug.-diss. Landw.hochschule, Berlin.
GRUEL, A. Der wertswechsel der bodentypen im wandel der zeiten. Jena, 1932. Inaug.-diss. Landw.hochschule, Berlin.
KINDLER, R. Über den einfluss der jahreszeit sowie der herkunft und aufbewahrung des roggensaatzgutes auf die ergebnisse der keimpflanzenmethode. Berlin, 1935. Inaug.-diss. Landw.hochschule, Berlin.
KIRITZESCU, C. C. Die landwirtschaft und die entwicklung des organisierten agrarkredits in Rumänien. Würzburg, 1934. Inaug.-diss. Berlin.
KUMMER, H. Untersuchungen über die lokalisation der phosphatide in den samen der sojabohne. Hamburg, 1935. Diss. Hamburg.
MULDER, S. R. Over willekeurige beïnvloeding van de geslachtsverhouding. Driebergen, 1935. Proefschrift. Utrecht.
REHN, H. J. Scientific management and the cotton textile industry. Chicago, 1934. (A part of a dissertation submitted to the Graduate faculty in candidacy for the degree of doctor of philosophy, School of commerce and administration, 1930) Lithographed.

-O-O-O-O-O-O-O-O-

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

- EZEKIEL, M. A. A. A. defending its program. Tobacco 101(16): 11. Oct. 17, 1935.
- WALLACE, H. A. Are tariff and processing taxes uppermost of our problems? Tobacco 101(17): 9-11. Oct. 24, 1935.
- Planned economy. Producer-Consumer 1(4): 2. Oct. 1935.
- The processing tax and the tariff. Vital Speeches of the Day 2(3): 73-76. Nov. 4, 1935.
- Statement from Secretary Wallace. Farm and Ranch 54(18): 15. Sept. 15, 1935.
- Wallace defends the "Farmer's tariff". New York Times. 85(28,407): Sect. 7, p.3, 17. Nov. 3, 1935.

Agricultural Adjustment Administration

- COBB, C. A. The first billion dollar cotton crop since 1929. Prog. Farmer 50(10): 8-9; Miss. Valley ed.; 6-7, Tex. ed.; 6-7, Ga.-Ala.-Fla. ed.; 6-7, Car.-Va. ed.; 7, Ky.-Tenn. ed. (abbreviated). Oct. 1935.
- DAVIS, C. Our AAA is here to stay. Farmer-Stockman 48: 387, 406. Sept. 15, 1935.

Bureau of Agricultural Economics

- BLACK, A. G. Developments in the American cotton program. Cotton (Manchester, Eng.) 61(1935): 25, 27. Oct. 12, 1935.
- EDWARDS, E. E. The agricultural fair, by Wayne Caldwell Neely. Columbia Univ. Press, New York, 1935. pp. 313. (Book review) Minn. Hist. 16(3): 327-328. Sept. 1935.
- MELOY, G. S. Selling seed on grade. Amer. Cotton Grower 1(6): 8-9, 18. Nov. 1, 1935.
- SLOCUM, R. R. Color plates a big help. (Comment on egg grades, described by James Gwin, in the Poultry Item of Oct. 1935.) Poultry Item 37(12): 22. Oct. 1935.
- WAUGH, F. V. The marginal utility of money in the United States from 1917 to 1921 and from 1922 to 1932. Econometrica 3: 376-399. Oct. 1935.

Bureau of Agricultural Engineering

- BENNETT, C. A. Brief discussion of gin saw tooth form and shape. Cotton Ginners Jour. 7(1): 3-4, 14. Oct. 1935.

*These lists are prepared in the bureaus under which they are given, with the exception of the Office of the Secretary, and Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry

- ANDREWS, J. S. A note on the morphology of the anterior ends of the infective larvae of some nematodes parasitic in the alimentary tract of sheep. *Helminthol. Soc. Wash., Proc.* 2: 88-90. July 1935.
- A second report of the occurrence of *Trichostrongylus lonispiculus* in cattle in the United States. *Helminthol. Soc. Wash., Proc.* 2: 90. July 1935.
- BOZICEVICH, J. (With J. McCLINTOCH) A method for making mounts of gross specimens. *Turtlox News*, 13: 65-66. July 1935.
- and WRIGHT, W. H. Carbon disulphide for the removal of stomach worms from swine. *Vet. Med.* 30: 390-393. Sept. 1935.
- CHITWOOD, B. G. Nematodes parasitic in, and associated with, Crustacea, and descriptions of some new species and a new variety. *Helminthol. Soc. Wash., Proc.* 2: 93-96. July 1935.
- DIKMANS, G. A note on *Protostrongylus stilesi* (Nematoda: Metastrongylidae) from the mountain sheep, *Ovis canadensis*, in Yellowstone National Park, Wyoming. *Helminthol. Soc. Wash., Proc.* 2: 84. July 1935.
- A note on the identity of *Cooperia punctata* Ransom, 1907, and *C. fieldingi* Baylis, 1928 (Nematoda: Trichostrongylidae). *Helminthol. Soc. Wash., Proc.* 2: 84. July 1935.
- Parasites of cattle in Costa Rica. *Helminthol. Soc. Wash., Proc.* 2: 83. July 1935.
- and LUCKER, J. T. New records of nematode parasites from deer in the United States. *Helminthol. Soc. Wash., Proc.* 2: 83. July 1935.
- HALL, M. C. Theobald Smith as a parasitologist. *Jour. Parasitol.* 21: 231-243. Aug. 1935.
- Therapeutics of worm diseases. *Internatl. Vet. Cong.* 12th, New York, 1934. 3: 1-14. 1935.
- HARWOOD, F. D. *Maculifer chandleri* n.sp. (Allocreadiidae), a trematode from Texas catfish. *Helminthol. Soc. Wash., Proc.* 2: 75-76. July 1935.
- HORSFALL, M. W. Observations on the life history of *Macravestitulum obtusicaudum* Macken, 1930 (Trematoda: Pronocephalidae). *Helminthol. Soc. Wash., Proc.* 2: 78-79. July 1935.
- JONES, M. F. The cestode *Hymenolepis microps* (Hymenolepididae) in ruffed grouse (*Bonasa umbellus*). *Helminthol. Soc. Wash., Proc.* 2: 92. July 1935.
- JOSS, E. C. National meat inspection in the United States of America. *Internatl. Vet. Cong.* 12th, New York, 1934. 3: 406-415. 1935.
- JULL, M. A. Making the laying flock produce. *Poultry Herald* 47(8): 3-4. Oct. 1935.
- National breeding plan released. *Poultry Tribune* 41(11): 6, 16 Nov. 1935.
- KERR, R. H. Report on meat and meat products. [Ann. Conv., Proc., 50th. Oct. 1934] *Jour. Assoc. Off. Agr. Chem.* 18: 413-414. Aug. 15, 1935.
- KRULL, W. H. *Glaphyrostomum mcintoshi*, n.sp. (Trematoda: Brachylaemidae), with notes on its life history. *Helminthol. Soc. Wash., Proc.* 2: 77. July 1935.
- A note on the life history of *Echinostoma coelitum* Barker and Beaver, 1915 (Trematoda: Echinostomatidae). *Helminthol. Soc. Wash., Proc.* 2: 76. July 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(continued)

- KRULL, W. H. Studies on the life history of a frog bladder fluke, *Gorgoderia amplicava* Looss, 1899. Mich.Acad.Sci.,Arts, and Letters,Papers. 20 : 697-710. 1935.
- LOWE, C. D. Better sires - better stock. Agr. Leaders Digest 16 (7) : 13, 14 Oct. 1935.
- Gilts vs. old sows. Rural Progress B (10) : 21 Oct. 1935.
- LUCKER, J. T. The morphology and development of the infective larva of *Cylicodontophorus ultrajectinus* (Ihle) Jour.Parasitol. 21 : 381-385. Oct. 1935.
- TITUS, W. H., and HAMMOND, J. C. Growth and protein content of the diet of poultry. U.S.Egg & Poultry Mag. 41 (11) : 20, 21, 61-63. Nov. 1935.

Bureau of Biological Survey

- ASHBROOK, F. G. First steps to improve breeding foxes. Natl. Fur News 8 (8): 8, 18, 19, illus. Aug. 1935.
- Fur resources--the stepchild of conservation. Fur Trade Rev. 3(10): 22-26, Aug. 1935.
- COTTAM, CLARENCE. Further notes on past periods of eelgrass scarcity. Rhodora 37: 269-271. Aug. 1935.
- Blue and snow geese in eastern United States in the winter of 1934-35, with notes on their food habits. Auk 52: 432-441. Oct. 1935.
- and UHLER, F. M. Bird records new or uncommon to Maryland. Auk 52: 460-461. Oct. 1935.
- DARLING, J. N. Mr. Sportsman! Can you take it? Natl. Waltonian 3 (3): 3. Sept. 1935.
- Desert makers. Country Gent. 105 (10): 5-7, 81, Oct. 1935.
- Let's save the ducks! Regulate hunting, don't stop it. Rotarian 47 (4): 15, 58, 59, 60, Oct. 1935.
- GABRIELSON, I. N. The alpiners of Mount Hood. Nature Mag. 26: 18-20, July 1935.
- Must the antelope go? Amer. Forests 41: 575-576, Oct. 1935.
- KELSO, LEON (with ESTELLE KELSO). A new *Rhinoptynx* from Argentina. Auk 52: 450-451. Oct. 1935.
- LINCOLN, F. C. Raise ducks! Field and Stream 40 (6): 34-35, 63-75, Oct. 1935.
- McATEE, W. L. Hibbert-Ware on the little owl [The little owl, an examination of its food habits, by A. Hibbert-Ware, School Nature Study, Feb. 1935]. Auk 52: 478. Oct. 1935.
- MUNCH, J. C., and GARLOUGH, F. E. The application of statistical methods to pharmaceutical research: IV, Methods of recording drug action. Jour. Amer. Pharm. Assoc. 24: 619-625. Aug. 1935.
- MUSHBACH, G. E. Reclaiming the Bear River Marshes of Utah. Earth Mover 22 (10): 16-18, Oct. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey
(continued)

- SALYER, J. C., II. A program of beaver management. Amer. Game 24: 39, 47, 48, 55, 62, 63, 64, May/June and July/Aug. 1935.
- SHELDON, H. P. Guns and game: September shooting; rail; dove; the 28 and 410 as game guns; new target rifles. Sportsman 18 (3): 68-70. Sept. 1935.
- Guns and game: Woodcock and grouse; fits about gun fits; cleaning from the muzzle; a new automatic. Sportsman 18 (4): 58, 59. Oct. 1935.
- ZAHNISER, HOWARD. October. Nature Mag. 26: 199. Oct. 1935.
- In November. Nature Mag. 26: 263. Nov. 1935.

Bureau of Chemistry and Soils

- BAILEY, L. H., CAPEN, R. G., and LeCLERC, J. A. The composition and characteristics of soybeans, soybean flour, and soybean bread. Cereal Chem. 12: 441-472. Sept. 1935.
- BREWER, A. K. Further evidence for the existence of K^{40} . Phys. Rev. 48: 640. Oct. 1, 1935.
- BROWN, H. R., and PRICE, D. J. Three interesting grain elevator explosions. Natl. Fire Protection Assoc. Quart. 29(1): pt.1, p.70-81, July, 1935.
- BRUNAUER, S., and EMMETT, P. H. The use of Van der Waals adsorption isotherms in determining the surface area of iron synthetic ammonia catalysts. Jour. Amer. Chem. Soc. 57: 1754. Sept. 1935.
- BYERS, H. G. Chemical composition of the colloids of the great soil groups. Internatl. Cong. Soil Sci., 3d, Oxford, Eng., 1935. Trans. Commission Papers I: 76-79. 1935.
- CHURCH, C. G., and SORBER, D. G. The chemical composition of the loquat (*Eriobotrya Japonica*). Fruit Prod. Jour. and Amer. Vinegar Indus. 14: 335-340. July 1935.
- DACHNOWSKI-STOKES, A. P. Essentials of a general system of classifying organic soils. Internatl. Cong. Soil Sci., 3d Oxford, Eng., 1935. Trans. Commission Papers I: 416-418. 1935.
- DAVIS, R. O. E., MILLER, R. R., and SCHOLL, Walter. Nitrification of ammoniated peat and other nitrogen carriers. Jour. Amer. Soc. Agron. 27: 729-737. Sept. 1935.
- FREY, R. W., and PEEBE, C. W. Tannage and treatments resistant to acid rot. Jour. Amer. Leather Chem. Assoc. 30: 459-478. Sept. 1935.
- JAMIESON, G. S., and McKINNEY, R. S. Decilumbene or soft lumbane (Aleurites Triperma) oil. Oil & Soap 12: 146-148. July 1935.
- MARBUT, C. F. (deceased) Land classification. Internatl. Cong. Soil Sci., 3d, Oxford, Eng., 1935. Trans. Commission Papers I: 290-292. 1935.
- MEHRING, A. L. (with H. R. Skelley and C. J. Brand, Natl. Fert. Assoc.) A survey of plant food consumption in the United States for the year ended June 30, 1934. Natl. Fert. Assoc. Ann. Conv. Proc. 11: 138-203. 1935.
- OLMSTEAD, L. B. Minimum water of saturation. Internatl. Cong. Soil Sci., 3d, Oxford, Eng., 1935. Trans. Commission Papers I: 4-5. 1935.
- A mechanized procedure for determining the sticky point of soils. Internatl. Cong. Soil Sci., 3d, Oxford, Eng., 1935. Trans. Commission Papers I: 5-6. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils
(continued)

- PAINE, H. S., and LOTHROP, R. E. Small plant for filtering honey. Gleanings in Bee Culture 63: 395-401. July 1935.
- ROETHE, H. E., BRADSHAW, M. A., and HOFFMAN, E. J. Spontaneous ignition of chopped hay. Natl. Fire Protection Assoc. Quart. 29(1): pt. 1, p.57-64. July 1935.
- ROSS, W. H., BEESON, K. C., WHITE, L. M., and MERZ, A. R. Loss of water-soluble potash in fertilizer mixtures. Indus. and Engin. Chem., Anal. Ed. 7: 305-308. Sept. 15, 1935.
- SPIES, J. R. Croton resin. I. Toxicity studies using goldfish. Jour. Amer. Chem. Soc. 57: 180-182. Jan. 1935.
- Croton resin. II. The toxic and vesicant action of certain of its derivatives. Jour. Amer. Chem. Soc. 57: 182-184. Jan. 1935.
- Croton resin. III. The combined acids. Jour. Amer. Chem. Soc. 57: 184-187. Jan. 1935.
- TURRENTINE, J. W. Potash. Mineral Indus., 43(1934): 474-489. 1935.

Bureau of Entomology and Plant Quarantine

- BARE, C. O. Some remarks concerning the egg parasite, Trichogramma minutum Riley, in Florida. Jour. Econ. Ent. 28: 803-815. Oct. 1935.
- BRADLEY, G. H., and McNEEL, T. E. Mosquito collections in Florida with the New Jersey light trap. Jour. Econ. Ent. 28: 780-786. Oct. 1935.
- BURNSIDE, C. E. How safe are treated combs? Gleanings Bee Cult. 63: 589-590. Oct. 1935.
- CARTER, R. H. An investigation of solvents for the removal of insecticidal fluorine residues from fruits. Jour. Econ. Ent. 28: 829-831. Oct. 1935.
- CHAPIN, E. A., (with CHAPIN, C. C.) Darwin and the Galapagos Islands. Bul. Pan. Amer. Union. 69: 655-666. Sept. 1935.
- CRUMB, S. E. A progress report on experiments for the control of the raspberry fruit worm. Western Wash. Hort. Soc. Proc. (1935): 13-15.
- DOVE, W. E., and Parman, D. C. Screw worms in the Southeastern states. Jour. Econ. Ent. 28: 765-772. Oct. 1935.
- KING, W. V., and BRADLEY, G. H. The screw worm outbreak in Florida. Jour. Econ. Ent. 28: 772-777. Oct. 1935.
- LeFORGE, F. B., and HALLER, H. L. Constituents of pyrethrum flowers. II. Isolation of pyrethrin II. Jour. Amer. Chem. Soc. 57: 1893-1896. Oct. 1935.
- LARRIMER, W. H. Corn earworm not controlled in sweet corn by release of Trichogramma. Jour. Econ. Ent. 28: 815-816. Oct. 1935.
- McDONALD, R. E., and LOFTIN, U. C. Dispersal of the pink bollworm by flight or wind carriage of the moths. Jour. Econ. Ent. 28: 745-755. Oct. 1935.
- MOZNETTE, G. F. Recent experiments in the control of the pecan nut case bearer in the Southeast. Jour. Econ. Ent. 28: 791-794. Oct. 1935.
- QUICK, C. R. Notes on the germination of Ceanothus seeds. Madrono 3: 135-140. July 1935.
- RAINWATER, C. F. Preliminary report on cotton root aphids in South Carolina. Jour. Econ. Ent. 28: 755-760. Oct. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(continued)

- ROBINSON, W. Allantoin, a constituent of maggot excretions, stimulates healing of chronic discharging wounds. Jour. Parasitol. 21: 354-358. Oct. 1935.
- SMITH, C. M. A new chloroarsenate of calcium. Jour. Wash. Acad. Sci. 25: 435-436. Oct. 15, 1935.
- STONE, M. W. Technique for life-history studies of wireworms. Jour. Econ. Ent. 28: 817-824. Oct. 1935.
- VAN DINE, D. L. The insect pests affecting fruit tree and vineyard crops in the continental United States. 13p. Preprint from XIème Congr. Internat. Hort., Rome, 16-21 Sept. 1935.
- Pests and means of control. (Entomology). General report. 44p. Preprint from XIème Congr. Internat. Hort., Rome, 16-21 Sept. 1935.
- VANSELL, G. H., and BISSON, C. S. Color in Western beeswax. Gleanings Bee Cult. 63: 593-594. Oct. 1935.
- WADE, J. S. Principles of insect morphology. By R. E. Snodgrass, New York, McGraw-Hill Co., 1935. (Book review) N. Y. Ent. Soc. Jour. 43: 343-344. Sept. 1935.
- South America as I saw it; the observations of a naturalist on the living conditions of its common people, its topography and products, its animals and plants. By W. S. Blatchley. 391 p. Indianapolis, Ind., Nature Pub. Co., 1934. (Book review) N. Y. Ent. Soc. Jour. 43: 329-330. Sept. 1935.
- WILCOX, J., and BAKER, W. W. Progress report on experiments for the control of the blackberry mite in Western Washington. Western Wash. Hort. Soc. Proc. 25 (1935): 6-13.

Office of Experiment Stations

- WATERMAN, H. C. A microscope lamp especially designed for the Belling method. Stain Tech. 10(4): 113-126. Oct. 1935.

Bureau of Plant Industry

- FAIRCHILD, D. A new, fragrant fruit-bearing shrub-vine. Amer. Home 14: 492, 549-550. 1935.
- GOSS, W. L. Mechanical injury in Fordhook lima beans. Calif. Dept. Agr. Quart. Bull. 24: 297-300. July/Sept. 1935.
- HATFIELD, I. Mill practices that influence the occurrence of sap stain in lumber. South. Lumberman 151(1935): 38-40. Aug. 15, 1935. Also in Amer. Lumberman 3057: 34-35. Sept. 28, 1935.
- HEPTING, G. H. Blue stain development in peeled shortleaf and loblolly pine pulpwood. Paper Indus. 17: 402-404. Sept. 1935.
- KOTILA, J. E., and COONS, G. H. Boron deficiency disease of beets. Previously known only in Europe, investigations have revealed its presence in Michigan and Ohio. Facts About Sugar 30: 373-376. Oct. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- MORRISON, B. Y. A new variety of black locust. [*Robinia pseudoacacia* var. *rectissima*], Science 82: 326-327. Oct. 4, 1935.
- PARKER, J. H. Breeding better quality wheats. Northwest. Miller 184(2): 30-32. Oct. 16, 1935.
- Rust resistant tests made in Kansas. Northwest. Miller 184(2): 63-64. Oct. 16, 1935.
- (with C. O. SWANSON, Kans. Agr. Expt. Sta.) The wheat meal time fermentation test. Northwest. Miller 184(2): 14-16. Oct. 16, 1935.
- Rust. Northw. Miller 183: 237, 247. July 24, 1935. Also, with change of title, in Siebel Tech. Rev. 10: 41-42, 48. Oct. 1935.
- POPE, M. N. A bath for orienting objects in paraffin. Science 82: 356. Oct. 11, 1935.
- The production of barley seed through post-harvest pollination. Jour. Heredity 26: 411-413. Oct. 1935.
- SHAMEL, A. D., and POMEROY, C. S. Relation of foliage to fruit size in the Eureka lemon. Calif. Citrogr. 21: 4. Nov. 1935.
- SHEAR, C. L., and STEVENS, N. E. *Sphaeria zeae* (*Diplodia zeae*) and confused species. Mycologia 27: 467-477. Sept./Oct. 1935.
- STEWART, R. M. Controlling decay of citrus fruits. Fla. Grower 43(9): 8. Oct. 1935.
- SWANSON, A. F. Pasturing winter wheat in Kansas. Kans. Stockman 19(23): 3, 15-16. Oct. 1, 1935.
- WINSTON, J. R. Acetylene versus ethylene for degreening citrus fruit. Citrus Indus. 16(9): 3, 7, 19. Sept. 1935.

Bureau of Public Roads

- JACKSON, F. H. High frequency vibration as applied to the construction of concrete pavements. Jour. Amer. Concrete Inst. 6: 551-556 May-June 1935.
- KELLEY, E. F. Vibrated concrete. Amer. Highways 14(4): 14-16. Oct. 1935.
- LADD, G. E. Landslides, subsidences and rock-falls. Amer. Ry. Engin. Assoc. Bull. 37(377): 1-72 (entire issue) July 1935.
- MACDONALD, T. H. Federal funds for highway and grade crossing work in Ohio. Highway Topics 13(3): 5 Sept. 1935.
- RUNNER, D. G. Origin and road building properties of lime rock. Roads and Streets 78: 297-301. Sept. 1935.
- THEE, T. C. Performance of Key equipment used in highway construction. Pt. 2 (The power shovel) Roads and Streets 78: 291-295. Sept. 1935.

-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK

Alabama

- ROBINSON, J. M. Commercial production of package bees and queens in the United States in 1934. Jour. Econ. Ent. 28: 802-803. Oct. 1935.
ROBINSON, J. M. The screw worm situation in Alabama. Jour. Econ. Ent. 28: 777-779. Oct. 1935.
SWINGLE, H. S. Control of the pecan weevil. Jour. Econ. Ent. 28: 794-796. Oct. 1935.

Arizona

- BRYAN, W. E. A monoecious date palm. Jour. Heredity 26: 146. April 1935.

Arkansas

- BLEECKER, W. L., and SMITH, R. M. The influence of vermifuge treatment of laying hens under field conditions. Poultry Sci. 14: 313. Sept. 1935. (Abstract)
JACOBSON, C. O. A comparison of alfalfa hay and soybean hay with and without mineral and cod liver oil supplement. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 3. 1935.
ROSEN, H. R. Rose blast induced by *Phytophthora syringae*. Jour. Agr. Research [U. S.] 51: 235-243. Aug. 1, 1935.
YOUNG, V. H., WARE, J. O., and POPE, C. A. Control of potash hunger and *Fusarium* wilt in cotton. Phytopathology 25: 969. Oct. 1935. (Abstract)

California

- ASMUNDSON, V. S. (With W. E. LLOYD, Univ. Calif.) Effect of age on reproduction of the turkey hen. Poultry Sci. 14: 259-266. Sept. 1935.
BEACH, J. R. (With O. W. SCHALM, Univ. Calif.) A filterable virus, distinct from that of laryngotracheitis, the cause of a respiratory disease of chicks. Poultry Sci. 14: 314. Sept. 1935. (Abstract)
BEACH, J. R. The survival of the virus of infectious laryngotracheitis in the bursa of Fabricius and cloaca of chickens after "intrabursal" injection. Jour. Infect. Diseases 57: 133-135. Sept.-Oct. 1935.
BRIGGS, F. N. Inheritance of resistance to mildew. *Erysiphe graminis hordei*, in a cross between Hanna and Atlas barley. Jour. Agr. Research [U. S.] 51: 245-250. Aug. 1, 1935.
CLARKE, A. E. (With E. G. ANDERSON, Calif. Inst. Tech.) A chromosomal interchange in maize without ring formation. Amer. Jour. Bot. 22: 711-716. Oct. 1935.
CRUESS, W. V. Pasteurization of wines. Fruit Prod. Jour. and Amer. Vinegar Indus. 15: 40-41. Oct. 1935.
EMSWELLER, S. L., and JONES, H. A. A gene for control of interstitial localization of chiasmata in *Allium fistulosum* L. Science n.s. 81: 543-544. May 31, 1935. (Special articles)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California
(continued)

- HINSHAW, W. R., and ASMUNDSON, V. S. Observations on pendulous crops of turkeys. Poultry Sci. 14: 314-315. Sept. 1935. (Abstract)
- LEACH, L. D. (With A. E. DAVEY) Toxicity of low concentrations of ammonia to mycelium and sclerotia of *Sclerotium rolfsii*. Phytopathology 25: 957-959. Oct. 1935. (Notes)
- LESLEY, M. M., and LESLEY, J. W. Heteromorphic A chromosomes of the tomato differing in satellite size. Genetics 20: 568-580. Nov. 1935.
- NELSON, D. H. Preparing samples of butter for analysis. Jour. Dairy Sci. 18: 667-670. Oct. 1935.
- TAYLOR, L. W., and GUNNS, C. A. Size of unincubated embryo in relation to hatchability. Poultry Sci. 14: 294. Sept. 1935. (Abstract)

Colorado

- BODINE, E. W. Sclerotinia wilt of Canada thistle. Phytopathology 25: 963-964. Oct. 1935. (Notes)

Connecticut (State)

- FRIEND, R. B. The European pine shoot moth. Calif. Dept. Agr. Bul. 24: 322-327. July-Aug.-Sept. 1935.

Connecticut (Storrs)

- JUNGHERR, E. Diseases of brooder chicks. Poultry Sci. 14: 315. Sept. 1935. (Abstract)

Delaware

- BAKER, G. L. Imitation jelly from dried apple pomace. Fruit Prod. Jour. and Amer. Vinegar Indus. 15: 44-45, 55. Oct. 1935.
- HARRIS, H. C. A comparison of potassium permanganate and ceric sulfate for the oxidation of cobaltinitrite in the estimation of potassium in KCl solution and in ammonium acetate soil-extracts. Soil Sci. 40: 301-309. Oct. 1935.

Florida

- ARNOLD, P. T. D., NEAL, W. M., and THOMAS, E. F. Reproduction in cattle in relation to mineral intake. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 15a. 1935.
- BARNETTE, R. M. The importance of soil organic matter. Citrus Indus. 16: 18. June 1935.
- BELL, C. E. Essential plant foods: phosphorus and potassium sources and functions. Citrus Indus. 16: 6, 18. Aug. 1935.
- BROOKS, A. N. Anthracnose and wilt of strawberry caused by *Colletotrichum fragariae*. Phytopathology 25: 973-974. Oct. 1935. (Abstract)

Florida
(continued)

- BROOKS, A. M. A Rhizoctonia bud rot of strawberry. Phytopathology 25: 965-966. Oct. 1935. (Abstract)
- EDDINS, A. H. Sclerotinia rot of Irish potatoes in Florida. Phytopathology 25: 974. Oct. 1935. (Abstract)
- HUME, H. H. Duplications in Zephyranthes. Bul. Torrey Bot. Club 62: 403-411. Oct. 1935.
- KINCAID, R. R. The effect of certain environmental factors on the germination of Florida cigar-wrapper tobacco seeds. Phytopathology 25: 875. Oct. 1935. (Abstract)
- KINCAID, R. R., and Gratz, L. O. Soil-temperature studies on Florida cigar-wrapper tobacco. Phytopathology 25: 975. Oct. 1935. (Abstract)
- NEWELL, W. Cattle now fatten on citrus refuse. Citrus Indus. 16: 17. Aug. 1935.
- RUPRECHT, R. W. The new fertilizer plan. Citrus Indus. 16: 8-9. Aug. 1935.
- RUPRECHT, R. W. Soil acidity and methods of controlling it. Citrus Indus. 16: 16-17. July 1935.
- TISDALE, W. B. A bark disease of Tahiti lime trees caused by Phomopsis citri Fawcett and Diplodia natalensis Evans. Phytopathology 25: 966-967. Oct. 1935. (Abstract)
- WEBER, G. F. The direct effect of Bordeaux mixture on early cucumber production. Phytopathology 25: 974. Oct. 1935. (Abstract)

Georgia

- BISSELL, T. L. Insects infesting cottonseed meal. Jour. Econ. Ent. 28: 835. Oct. 1935. (Scientific notes)
- HIGGINS, B. B. Breeding peanuts for disease resistance. Phytopathology 25: 971-972. Oct. 1935. (Abstract)
- HIGGINS, B. B. Results from ten years' work on cotton seed treatment. Phytopathology 25: 972. Oct. 1935. (Abstract)
- STUCKEY, H. P., ARMSTRONG, W. D. (With H. L. COCHRAN) Peach fertilizer. Amer. Fert. 83: 24, 26. Oct. 19, 1935. (In cooperation with U. S. Dept. Agr.)
- VAN HALTERN, F. Control of diseases of tomato seedlings. Phytopathology 25: 968. Oct. 1935. (Abstract)

Idaho

- ATKESON, F. W., and WARREN, T. R. Inheritance of wrytail in Jersey cattle. Jour. Heredity 26: 331-334. Aug. 1935.
- GILDOW, E. M., WILLIAMS, J. K., and LAMPMAN, C. E. Transmission of fowl paralysis (neurolymphomatosis). Poultry Sci. 14: 317. Sept. 1935. (Abstract)
- LAMPMAN, C. E., and WILLIAMS, J. K. Incubation of turkey eggs with respect to moisture requirements. Poultry Sci. 14: 311. Sept. 1935. (Abstract)
- WOODS, E. [and others] Vitamin A content of pasture plants. Iv. White blossom sweet clover (Melilotus alba Desvx.), orchard grass (Dactylis glomerata L.) and meadow fescue (Festuca elatior L.) under pasture conditions and fed green. Jour. Dairy Sci. 18: 639-645. Oct. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Illinois

- ALLISON, L. E. Organic soil carbon by reduction of chromic acid. Soil Sci. 40: 311-320. Oct. 1935.
CARD, L. E., and SLOAN, H. J. The effect of mineral supplements on interior egg quality. Poultry Sci. 14: 300-301. Sept. 1935. (Abstract)
DORSEY, M. J. The effect of bud sports on the variety question. Amer. Pomol. Soc. Proc. 50(1934): 94-99. 1935.
TRACY, P. H. Here is how to use stabilizers in making ices and sherbets. Ice Cream Trade Jour. 31: 21-22. July 1935.

Indiana

- DAVIS, J. J. Insects of Indiana for 1934. Ind. Acad. Sci. Proc. 44(1934): 198-206. 1935.
DEAY, H. O., and GOULD, G. E. An annotated list of the Membracidae of Indiana (Homoptera). Ind. Acad. Sci. Proc. 44(1934): 236-243. 1935. (H. O. Deay, Purdue Univ.)
SULLIVAN, J. T. Report on carbohydrates in plants: study of the permanganate titration method for copper. Jour. Assoc. Off. Agr. Chem. 18: 382-386. Aug. 15, 1935.
WILBUR, J. W., HILTON, J. H., and Hauge, S. M. The effect of soybeans in the rations of dairy cows upon the vitamin A value of butter. Jour. Dairy Sci. 18: 661-665. Oct. 1935.

Iowa

- LAMBERT, W. V. Silver guinea pigs: a recessive color variation. Jour. Heredity 26: 279-283. July 1935.
TATE, H. D. The screw worm (*Cochliomyia americana* C. & P.) failed to survive the winter of 1934-35 in Iowa. Jour. Econ. Ent. 27: 835-837. Oct. 1935. (Scientific notes)
THORNE, D. W., and WALKER, R. H. A growth factor for Rhizobia. Jour. Bact. 30: 331-332. Sept. 1935. (Abstract) (D. W. Thorne, Iowa State College)
WATERS, N. F., and LAMBERT, W. V. Ten years of inbreeding in the White Leghorn fowl. Poultry Sci. 14: 296. Sept. 1935. (Abstract)

Kansas

- BRANDLY, C. A. Some studies of infectious laryngotracheitis. The continued propagation of the virus upon the chorio-allantoic membrane of the hen's egg. Jour. Infect. Diseases 57: 201-206. Sept.-Oct. 1935.
GRANDFIELD, C. O., LEFEBVRE, C. L., and METZGER, W. H. Relation between fallowing and the damping-off of alfalfa seedlings. Jour. Amer. Soc. Agron. 27: 800-806. Oct. 1935. (In cooperation with U. S. Dept. Agr.)
PAINTER, R. H. The biology of some dipterous gall-makers from Texas. Jour. Kans. Ent. Soc. 8: 81-97. July 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Kentucky

- BUCKNER, G. D., and HARMS, A. H. The influence of calcium carbonate on the digestion of protein, fat, and fiber by laying hens. Poultry Sci. v. 14; 302. Sept. 1935. (Abstract)
- EDWARDS, P. E. The antigens of Salmonella anatum. Jour. Bact. 30: 269-276. Sept. 1935.
- McHARGUE, J. S. Report on less common elements in plants. Jour. Assoc. Off. Agr. Chem. 18: 377-378. Aug. 15, 1935.
- MARTIN, J. H., and INSKO, W. M., jr. Turkey embryo temperature experiments. Poultry Sci. 14: 310. Sept. 1935. (Abstract)
- VALLEAU, W. D. Do necrotic lesions result in localization of tobacco-mosaic viruses in Nicotiana? Phytopathology 25: 968. Oct. 1935. (Abstract)
- VALLEAU, W. D., and JOHNSON, E. M. Only certain strains of tobacco mosaic cause mosaic burn. Phytopathology 25: 967. Oct. 1935. (Abstract)

Louisiana

- LUSH, R. H. Five year results on monthly clipping of pastures. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 15. 1935.
- PLAKIDAS, A. G. Mode of action of Bordeaux on Mycosphaerella fragariae. Phytopathology 25: 970. Oct. 1935. (Abstract)

Maryland

- CORY, E. N. Calomycterus setarius Roelffs in Maryland. Jour. Econ. Ent. 28: 833-834. Oct. 1935. (Scientific notes)

Massachusetts

- BECKER, W. B. Evidence of the European elm bark-beetle found in western Massachusetts. Jour. Econ. Ent. 28: 833. Oct. 1935. (Scientific notes)
- FRANDSEN, J. H. A review of experimental research at Massachusetts state college. Ice Cream Trade Jour. 31: 25-26. Sept. 1935.
- GIBBS, C. S. Some micro-organisms complicating the course of laryngotracheitis and coryza. Poultry Sci. 14: 314. Sept. 1935. (Abstract)
- HAYS, F. A. Numbers and uniformity in experimental lots. Poultry Sci. 14: 305. Sept. 1935. (Abstract)
- HAYS, F. A. Studies of the inheritance of persistency. Poultry Sci. 14: 295-296. Sept. 1935. (Abstract)
- HAYS, F. A. Subsidizing scientific journals. Poultry Sci. 14: 294. Sept. 1935. (Abstract)

Michigan

- DUTTON, W. C. How much can we spray apples. Amer. Pomol. Soc. Proc. 50 (1934): 99-100. 1935.
- DUTTON, W. C. Observations on spray injury and codling moth control. Amer. Pomol. Soc. Proc. 50(1934): 10-12. 1935.
- HERBERT, P. A. Government grants and long term reforestation loans in England. Jour. Forestry 33: 819-820. Sept. 1935. (Brief article)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Michigan
(continued)

- HERSHEY, A. D., Huddleson, I. F., and PENNELL, R. B. The chemical separation and biological activity of the polysaccharide constituent in Brucella cells. Jour. Infect. Diseases 57: 183-185. Sept.-Oct. 1935. (A. D. Hershey and R. B. Pennell, Mich. State College)
- HUFFMAN, C. F. A study of the phosphorus requirement of dairy cattle when alfalfa hay furnishes the principal source of protein. Internatl. Dairy Cong. World's Dairy Cong. 10(1934) Sect. I: 53-55. 1934.
- MUSSELMAN, E. H. Possibilities and limitations of wells for irrigation. Amer. Pomol. Soc. Proc. 50(1934): 86-90. 1935.
- PARTRIDGE, N. L. Orchard soils. Amer. Pomol. Soc. Proc. 50(1934): 61-64. 1935.
- SCHAIBLE, P. J., BANDEMER, S. L., and MOORE, J. M. Some aspects of high mineral metabolism in chicks. Poultry Sci. 14: 303. Sept. 1935. (Abstract)
- WINTER, O. B. Report on plants. Jour. Assoc. Off. Agr. Chem. 18: 376-377. Aug. 15, 1935.

Minnesota

- BROWN, R. M. Defect deduction for the one-quarter-inch International Log Rule. Jour. Forestry 33: 760-762. Aug. 1935. (Brief articles)
- PHELPS, E. L., and GORHAM, E. R. A study of popular-priced white broad-cloth shirts. Jour. Home Econ. 27: 593-600. Nov. 1935. (Research)

Mississippi

- MILES, L. E. Angular leaf spot of cotton in Mississippi in 1934. Phytopathology 25: 973. Oct. 1935. (Abstract)
- MILES, L. E. Report of one year's test of copper fungicides and other new materials as peach sprays. Phytopathology 25: 972. Oct. 1935. (Abstract)
- MOORE, J. S. A dairy farm program for Mississippi. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 19-20. 1935.

Missouri

- GARRISON, E. R. Report on lactose in milk. Jour. Assoc. Off. Agr. Chem. 18: 408-409. Aug. 15, 1935.

Montana

- HARRINGTON, F. M. Northwest fertilizer recommendations as pertaining to vegetables and potatoes. Northwest Assoc. Hort., Ent. and Plant Pathologists. Abstracts of Papers 1(1935): 7-9. 1935.
- MAIL, G. A. Soil temperature apparatus for field work. Soil Sci. 40: 285-286. Oct. 1935.

New Hampshire

- BOTTORFF, C. A. [and others] Epidemic tremors in chickens. Poultry Sci. 14: 317. Sept. 1935. (Abstract)
- POTTER, G. F. Apple storage. Amer. Fruit Grower 55: 5-6, 12, 14. Sept. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

New Jersey

- PLATT, C. S. Egg production and mortality in White Leghorn pullets in the Vineland contests. Poultry Sci. 14: 294-295. Sept. 1935. (Abstract)
THOMPSON, W. C. The poultry science seminar - content and method. Poultry Sci. 14: 306-307. Sept. 1935. (Abstract)

New York (Cornell)

- HEUSER, G. F. A preliminary report on the vitamin 3 requirement of turkeys. Poultry Sci. 14: 303. Sept. 1935. (Abstract)
HUTT, F. B. Hereditary blindness in the fowl. Poultry Sci. 14: 297. Sept. 1935. (Abstract)
HUTT, F. B. Post-graduate training for specialists in poultry husbandry. Poultry Sci. 14: 307. Sept. 1935. (Abstract)
LOVE, H. H. A table for transforming the correlation coefficient, r , to z for correlation analysis. Jour. Amer. Soc. Agron. 27: 807-812. Oct. 1935.
MATHESON, R. Three new species of ticks, Ornithodoros (Acarina, Ixodoidea). Jour. Parasitol. 21: 347-353. Oct. 1935.
ROMANOFF, A. L. The application of artificially ionized air. Science n.s. 81: 536-537. May 31, 1935. (Discussion)
ROMANOFF, A. L. Favorable temperature for the incubation of hen's eggs. Poultry Sci. 14: 295. Sept. 1935. (Abstract)
SHERMAN, J. M. (With H. U. WING, Cornell Univ.) An unnoted hemolytic streptococcus associated with milk products. Jour. Dairy Sci. 18: 657-660. Oct. 1935.
VANWAGENEN, A., and WILGUS, H. S., jr. Methods of measuring egg quality. Poultry Sci. 14: 305. Sept. 1935. (Abstract)
WARREN, G. F. Discussion on the small farm system. Internatl. Conf. Agr. Economists Proc. 3(1934): 217-218. 1935.
WARREN, G. F. The monetary situation. Internatl. Conf. Agr. Economists Proc. 3(1934): 289-309. 1935.
WILGUS, H. S., jr., NORRIS, L. C., and HEUSER, G. F. Studies on the cause and prevention of perosis. Poultry Sci. 14: 302-303. Sept. 1935. (Abstract)

New York (State)

- BREED, R. S. Problems in nomenclature and classification now before the International committee on bacteriological nomenclature. Jour. Bact. 30: 329. Sept. 1935. (Abstract)
CROSS, L. J. Report on gums in foods. Jour. Assoc. Off. Agr. Chem. 18: 432-433. Aug. 15, 1935.
PEDERSON, C. S. The effect of inoculation on the quality, chemical composition, and bacterial flora of sauerkraut. Zentbl. Bakt. [etc.] II. Abt. 92: 342-348. July 17, 1935.
PEDERSON, C. S. The relation between temperature and the rate of fermentation of commercial sauerkraut. Zentbl. Bakt. [etc.] II. Abt. v. 92: 338-342. July 17, 1935.
TUKEY, H. B. Fruit development in relation to orchard practice. Amer. Pomol. Soc. Proc. 50(1934): 13-19. 1935.
TUKEY, H. B. Maturity of nursery stock. Amer. Nurseryman 62: 7-8. Oct. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

North Carolina

- CLEVENGER, C. B., and WILLIS, L. G. Immediate effects of fertilization upon soil reaction. Jour. Amer. Soc. Agron. 27: 833-846. Oct. 1935.
- LINEBERRY, R. A., and MANN, H. B. Effect of nitrogen fertilizers on strawberry production. Com. Fert. 51: 11-16, 18. Aug. 1935. (R. A. Lineberry, U. S. Dept. Agr.)

North Dakota

- HOPPER, T. H. Report on refractometric determination of oil in seeds. Jour. Assoc. Off. Agr. Chem. 18: 433-434. Aug. 15, 1935.

Ohio

- HUNT, C. H., RECORD, P. R., and BETHKE, R. M. Effect of the stage of maturity and method of curing upon the vitamin B and vitamin G content of alfalfa, clover, and timothy hays. Jour. Agr. Research [U. S.] 51: 251-258. Aug. 1, 1935.
- KENNARD, D. C., and CHAMBERLIN, V. D. Five years' management tests with chicks and growing pullets. Poultry Sci. 14: 316. Sept. 1935. (Abstract)
- RECORD, P. R., BETHKE, R. M., and WILDER, O. H. M. Vitamin A requirements of growing chicks. Poultry Sci. 14: 297. Sept. 1935. (Abstract)

Oklahoma

- FENTON, F. A., and HIXSON, E. Effect of the 1934 drought upon the boll weevil in Oklahoma. Jour. Econ. Ent. 28: 760-765. Oct. 1935.
- FOUTS, E. L., and KEITH, J. I. Testing for sediment in cream. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 9. 1935.
- GALLUP, W. D., and RADER, R. The influence of certain dietary constituents on the response of rats to gossypol ingestion. Jour. Agr. Research [U. S.] 51: 259-266. Aug. 1, 1935.
- KEITH, J. I., KUHLMAN, A. H., and WEAVER, E. Effect of cottonseed meal in dairy rations on the milk and butter. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 25-26. 1935.
- MOE, L. H., CRAFT, W. A., and THOMPSON, C. P. Supplementing soil with iron and copper for the prevention of anemia in young pigs. Jour. Amer. Vet. Med. Assoc. 87: 302-311. Sept. 1935.
- PENQUITE, R., and THOMPSON, R. B. Results of five years' continuous light on Leghorns. Poultry Sci. 14: 304. Sept. 1935. (Abstract)
- ROLFS, F. M. Dissemination of the bacterial leaf spot organism. Phytopathology 25: 971. Oct. 1935. (Abstract)

Oregon

- CHILDS, L. (With J. KIENHOLZ, jr., U. S. Dept. Agr.) Progress report on pear scab in Oregon. Northwest Hort., Ent. and Plant Pathologists. Abstracts of Papers 1(1935): 5. 1935.
- POWERS, W. L., and Bollen, W. B. The chemical and biological nature of certain forest soils. Soil Sci. 40: 321-329. Oct. 1935.
- ZELLER, S. M. Some miscellaneous fungi of the Pacific Northwest. Mycologia 27: 449-466. Sept.-Oct. 1935.

ARTICLE BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Pennsylvania

- BALDWIN, F. B., jr., and DOAN, F. J. Observations on the freezing of milk and cream. I. The effect of fat concentration upon the distribution of constituents in the frozen and unfrozen portions of partially frozen milk and cream. Jour. Dairy Sci. 18: 629-638. Oct. 1935.
- HALEY, D. E. Manganese and some of its agricultural and biological relationships. Amer. Fert. 83: 5-7, 28, 30. Oct. 19, 1935.
- HUNTER, J. E., MARBLE, D. R., and KNANDEL, H. C. The utilization of soy bean oil meal and corn gluten meal in the feeding of turkeys. Poultry Sci. 14: 312. Sept. 1935. (Abstract)
- JENSEN, C. O., and HALEY, D. E. Studies on the nicotine content of cigarette smoke. Jour. Agr. Research [U. S.] 51: 267-276. Aug. 1, 1935.
- KNANDEL, H. C. Why an agricultural training? Poultry Sci. 14: 306. Sept. 1935. (Abstract)
- MARBLE, D. R., and MARGOLF, P. H. The selection and management of turkey breeders. Poultry Sci. 14: 311. Sept. 1935. (Abstract)
- MURPHY, R. R., HUNTER, J. E., and KNANDEL, H. C. The effects of vitamin D intake of the hen on the bone calcification of the chick. Poultry Sci. 14: 305. Sept. 1935. (Abstract)

Rhode Island

- DELAPLANE, J. P., ERWIN, L. E., and STUART, H. O. Studies of hemophilic bacilli of chickens. Poultry Sci. 14: 312-313. Sept. 1935. (Abstract)
- NORTH, H. F. A. A co-operative study in earthworm control in Rhode Island, U.S.A. Brit. Golf Unions. Jour. of the Board of Greenkeeping Research 4: 101-103. 1935.
- WILLARD, D. R., and SMITH, J. B. Variability in measurements of height and width of market garden plants. Jour. Amer. Soc. Agron. 27: 789-799. Oct. 1935.

South Carolina

- ARMSTRONG, G. M. (With C. N. CLAYTON) The reaction of several isolations of the cotton-wilt fungus of toxic dyes. Phytopathology 25: 970-971. Oct. 1935. (Abstract)
- ARMSTRONG, G. M. (With C. B. SUMNER) Studies on downy mildew of tobacco. Phytopathology 25: 971. Oct. 1935. (Abstract)
- ARNDT, C. H. The etiology of damping off of cotton seedlings. Phytopathology 25: 968-969. Oct. 1935. (Abstract)
- ARNDT, C. H. A resumé of cottonseed treatments in South Carolina. Phytopathology 25: 970. Oct. 1935. (Abstract)
- ELTING, E. C., and LaMASTER, J. P. Molasses as a preserving agent in making soybean silage. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 11-13. 1935.
- FAIRES, E. W. Sandhill grazing problems. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 16-17. 1935.
- LaMASTER, J. P., and ELTING, E. C. Results of the 1934 grazing test with bermuda and carpet grass pastures. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 11. 1935.
- SOWELL, D. F., and MORGAN, C. L. The relationship of protein supplement to interior egg quality. Poultry Sci. 14: 303. Sept. 1935. (Abstract)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

South Dakota

- FRANKE, K. W., and TULLY, W. C. A new toxicant occurring naturally in certain samples of plant foodstuffs. V. Low hatchability due to deformities in chicks. Poultry Sci. 14: 273-279. Sept. 1935.
- POLEY, W. E., and TULLY, W. C. The values of white corn and milk in growing turkeys. Poultry Sci. 14: 311-312. Sept. 1935. (Abstract)
- TULLY, W. C., and FRANKE, K. W. A new toxicant occurring naturally in certain samples of plant foodstuffs. VI. A study of the effect of affected grains on growing chicks. Poultry Sci. 14: 280-284. Sept. 1935.

Tennessee

- ALLEN, P. W., and JACOB, M. (With T. A. MAGILL, Univ. Tenn.) The diseases of poultry spread by soil contamination. Poultry Sci. 14: 313-314. Sept. 1935. (Abstract)
- ANDES, J. O. Black root rot of apple. Phytopathology 25: 976. Oct. 1935. (Abstract)
- ANDES, J. O. Tobacco bed soil disinfection. Phytopathology 25: 972. Oct. 1935. (Abstract)
- MARCOVITCH, S. Control of the bean weevil and the cowpea weevil. Jour. Econ. Ent. 28: 796-797. Oct. 1935.
- SHERBAKOFF, C. D., and McCLINTOCK, J. A. Effect of crown gall, hairy root, and woolly aphids on apple trees in the orchard. Phytopathology 25: 975-976. Oct. 1935. (Abstract)
- SHERBAKOFF, C. D., and STONE, G. M. Field studies of Fusarium wilt of cotton. Phytopathology 25: 975. Oct. 1935. (Abstract)
- STANLEY, W. W., and MARCOVITCH, S. Calcium arsenate as a control measure for the tobacco flea beetle and hornworm. Jour. Econ. Ent. 28: 797-801. Oct. 1935.
- STONE, G. M. Control of sweet-potato stem rot in west Tennessee. Phytopathology 25: 976. Oct. 1935. (Abstract)
- UNDERWOOD, J. K. Lespedeza sericea stem blight. Phytopathology 25: 976. Oct. 1935. (Abstract)
- WYLIE, C. E. Relation of dairying in the Tennessee Valley to national dairy development. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 18. 1935.

Texas

- FUDGE, J. F. Mathematical relations between total exchange capacity and absorption of ammonium and potassium by soils. Soil Sci. 40: 269-284. Oct. 1935.
- MANGELSDORF, P. C., and REEVES, R. G. A trigeneric hybrid of Zea, Tripsacum and Euchlaena: all of the chromosomes of maize and its two nearest relatives combined in a single plant. Jour. Heredity 26: 129-140. April 1935.
- PARKS, H. B. Early embryology of Drosophila. The mechanics of gastrulation and its relationship to gynandromorphs found in Drosophila melanogaster. Jour. Heredity 26: 239-240. June 1935.
- REEVES, R. G. Origin of the fringe tissue of the cotton seed. Bot. Gaz. 97: 179-184. Sept. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Texas
(Continued)

- SHERWOOD, R. M., and FRAPS, G. S. Vitamin A requirements for growing chicks. Poultry Sci. 14: 297-298. Sept. 1935. (Abstract)
- TAUBENHAUS, J. J. On a black crown rot of greenhouse snapdragons caused by *Myrothecium roridum* Tode. Phytopathology 25: 969-970. Oct. 1935. (Abstract)
- TAUBENHAUS, J. J. Seeds on watermelons and okra as possible carriers of *Fusarium* wilt. Phytopathology 25: 969. Oct. 1935. (Abstract)

Utah

- KNOWLTON, G. F., and ROWE, J. A. Handling mosquitoes on equine encephalomyelitis investigation. Jour. Econ. Ent. 28: 824-829. Oct. 1935.
- KNOWLTON, G. F., and MADSEN, D. E. Mosquitoes annoy sheep. Jour. Econ. Ent. 28: 834-835. Oct. 1935. (Scientific note)

Vermont

- WALKER, L. S. Report on fat in feeding stuffs. Jour. Assoc. Off. Agr. Chem. 18: 349-351. Aug. 15, 1935.

Virginia

- GROVES, A. B. Apple scald. Va. Fruit 23: 17-19. Oct. 1935.
- HESTER, J. B. The use of lime in potato production in eastern Virginia. Amer. Potato Jour. 12: 235-248. Sept. 1935.
- HOLDAWAY, C. W. Some results on protein and mineral metabolism observed in experiments in comparing alfalfa and timothy hays. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 2. 1935.
- PRATT, A. D. Report of pasture experiments from 1930-1934. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 13-15. 1935.
- PRATT, A. D. Succulence in the dairy ration. Amer. Dairy Sci. Assoc. (Southern Div.) Abstracts of Papers 36(1935): 24. 1935.
- WINGARD, S. A. The prevention of apple rots in storage. Va. Fruit 23: 15-16. Oct. 1935.

Washington

- CARVER, J. S., and HEIMAN, V. The effect of yolk color of Argentine corn, domestic corn, and dehydrated alfalfa. Poultry Sci. 14: 299-300. Sept. 1935. (Abstract)
- HEIMAN, V., and CARVER, J. S. The albumen index as a physical measurement of observed egg quality. Poultry Sci. 14: 300. Sept. 1935. (Abstract)
- HEIMAN, V., and CARVER, J. S. The vitamin G requirements of chicks fed the W.S.C. commercial chick ration. Poultry Sci. 14: 303-304. Sept. 1935. (Abstract)
- MARSHALL, J. The experimental application of calcium arsenate for codling moth control in an arid region. Northwest Assoc. Hort., Ent. and Plant Pathologists. Abstracts of Papers 1(1935): 4. 1935.

Washington
(Continued)

- MARSHALL, J. On field methods for the investigation of codling moth insecticides. Northwest Assoc. Hort., Ent. and Plant Pathologists. Abstracts of Papers 1 (1935): 3-4. 1935.
- VANDECAVEYE, S. C., and ALLEN, M. C. Microbial activities in soil. II. Activity of specific groups of microbes in relation to organic matter transformation in Palouse silt loam. Soil Sci. 40: 331-343. Oct. 1935.
- WEBSTER, R. L. The codling moth and the weather. Northwest Assoc. Hort., Ent. and Plant Pathologists. Abstracts of Papers 1(1935): 4. 1935.

West Virginia

- LEONIAN, L. H. The effect of auxins upon *Phytophthora cactorum*. Jour. Agr. Research [U. S.] 51: 277-286. Aug. 1, 1935.
- ORTON, C. R. The dissociation of *Fusarium* in soil. Bul. Torrey Bot. Club 62: 413-420. Oct. 1935.
- VERNER, L. A physiological study of cracking in Stayman winesap apples. Jour. Agr. Research [U. S.] 51: 191-222. Aug. 1, 1935.

Wisconsin

- BRINK, R. A. Heritable characters in maize. XLIX. Pale midrib. Jour. Heredity 26: 249-251. June 1935.
- ELVEHJEM, C. A. Report on biological methods for vitamin B complexes. Jour. Assoc. Off. Agr. Chem. 18: 354-356. Aug. 15, 1935.
- IRWIN, M. R. (With F. N. BELL, Univ. Wis.) On natural antibodies in the rabbit and hereditary resistance to infections of *Brucella suis*. Jour. Infect. Diseases 57: 74-77. July-Aug. 1935. (In cooperation with U. S. Dept. Agr.)
- KOHLER, G. O.; ELVEHJEM, C. A., and Hart, E. B. Goat's milk anemia. Amer. Jour. Physiol. 113: 279-284. Oct. 1, 1935.
- MEHLICH, A., FRED, E. B., and TRUOG, E. Further work with the Cunninghamella plaque method of measuring available phosphorus in soil. Jour. Amer. Soc. Agron. 27: 826-832. Oct. 1935. (A. Mehlich, Univ. Wis.)
- PHILLIPS, P. H., ENGLISH, H. E., and HART, E. B. The influence of sodium fluoride upon the basal metabolism of the rat under several experimental conditions. Amer. Jour. Physiol. 113: 441-449. Oct. 1, 1935.
- SEARLS, E. H. Further studies on the effect of controlling the potato leafhopper (*Empoasca fabae* Harris) in alfalfa by designed cutting. Jour. Econ. Ent. 28: 831-833. Oct. 1935.
- SMYTH, E. M., and WILSON, P. W. Concerning the alleged fixation of nitrogen by germinating peas. Jour. Bact. 30: 330. Sept. 1935. (Abstract)
- SOMMER, H. H. Frozen brines as refrigerants for ice cream. Ice Cream Rev. 19: 34, 36. Sept. 1935.
- WENCK, P. R., PETERSON, W. H., and GREENE, H. C. The chemistry of mold tissue. VIII. Innate factors influencing growth and sterol production of *Aspergillus fischeri*. Zentbl. Bakt. [etc.] II. Abt. v. 92: 324-330. July 17, 1935. (P. R. Wenck, Univ. Wis.)
- WENCK, P. R., PETERSON, W. H., and FRED, E. B. The chemistry of mold tissue. IX. Cultural factors influencing growth and sterol production of *Aspergillus fischeri*. Zentbl. Bakt. [etc.] II. Abt. v. 92: 330-338. July 17, 1935. (P. R. Wenck, Univ. Wis.)

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1935

Arizona

ROSS, P. H. Twenty years of agricultural extension work in Arizona. Twentieth annual report for the fiscal year ended June 30, 1934, including a report on project work to November 30, 1934. (Ariz. Agr. Col. Ext. Proj. Circ. 15.) Tucson, 1935.

California

HANNA, G. C. Asparagus production in California. (Calif. Agr. Col. Ext. Circ. 91.) Berkeley, 1935.
Timely agricultural outlooks. nos. 1, 2, Sept., Oct. 1935.

Georgia

ALEXANDER, E. D. Crimson clover for fertilizer, feed and soil protection. (Ga. Agr. Col. Ext. Bul. 452.) Athens, 1935.
ALEXANDER, E. D. Austrian winter peas and the vetches for fertilizer, feed and soil protection. (Ga. Agr. Col. Ext. Bul. 453.) Athens, 1935.

Indiana

FITCH, W. Q. Farmers' institute schedule for Indiana, 1935-1936. Purdue Univ., Dept. Agr. Ext. [unnumbered] Sept. 1935.

Kansas

ELLING, C. G. Profitable pig production. (Kans. State Col. Ext. Circ. 46, rev.) Manhattan, 1935.
FOOTE, C., and ANDERSON, G. Low cost market orders, menus and recipes. (Kans. State Col. Ext. Circ. 111.) Manhattan, 1935.
The Kansas agricultural outlook for 1935-1936. (Kansas. State Col. Ext. Circ. 118.) Manhattan, 1935.
Key to the radio programs of station KSAC, October 1935. Kans. State Col. Ext. [unnumbered] 1935.

Maryland

SYMONS, T. B. The passing of a decade: A summary of Extension activities in Maryland, 1924-1934. Md. Univ. [Agr.] Ext. [unnumbered] [1935]
SYMONS, T. B. Twentieth annual report, University of Maryland, Extension service for the year 1934. Md. Univ. [Agr.] Ext. [unnumbered] Jan. 1, 1935.

Minnesota

PARTEN, H. L. Vegetable garden insects and their control. (Minn. Univ. Agr. Ext. Folder 32[rev.]) University Farm, St. Paul, 1935.
GULLICKSON, T. W. Raising dairy calves on skimmilk. (Minn. Univ. Agr. Ext. Spec. Bul. 108, rev.) University Farm, St. Paul, 1935.
PALMER, L. S., and GULLICKSON, T. W. Bone-chewing or depraved appetite in cattle. (Minn. Univ. Agr. Ext. Spec. Bul. 132, rev.) University Farm, St. Paul, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1935

Minnesota
(continued)

- WHITE, H. B. The insulation of farm buildings. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 41.) University Farm, St. Paul, Aug. 15, 1935.
- NEAL, J. H. Tile drainage. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 42.) University Farm, St. Paul, Sept. 15, 1935.
- JESNESS, O. B. Recent agricultural adjustment legislation. (Minn. Univ. Agr. Ext., Minn. Farm Business Notes no. 153, p. 1-3.) University Farm, St. Paul, Sept. 20, 1935.
- Mimeographed.

Missouri

- TROTTER, I. P. Saving seed from immature corn. (Mo. Agr. Col. Ext. Circ. 328.) Columbia, 1935.

Nebraska

- GEORGE, A. G. Winter wheat production costs, Nebraska, 1934. Six counties, Cass, Douglas, Saunders, Fillmore, Perkins, Cheyenne. (Nebr. Agr. Col. Ext. Circ. 839, 1934.) Lincoln, 1934.
- Mimeographed.
- GEORGE, A. G. Corn production costs, Nebraska, 1934. Seven counties, Cass, Douglas, Saunders, Fillmore, Phelps, Thurston, Cuming. (Nebr. Agr. Col. Ext. Circ. 840, 1934.) Lincoln, 1935.
- Mimeographed.
- GEORGE, A. G. Fifth annual farm business report, thirty Clay county farms, 1934. (Nebr. Agr. Col. Ext. Circ. 850, 1934.) Lincoln, 1935.
- Mimeographed.
- GEORGE, A. G. Fifth annual farm business report, twenty-four Johnson county farms, 1934. (Nebr. Agr. Col. Ext. Circ. 852, 1934.) Lincoln, 1935.
- Mimeographed.
- GEORGE, A. G. Certified potato production costs. Growing and harvesting costs only, Nebraska, 1934. (Nebr. Agr. Col. Ext. Circ. 865, 1934.) Lincoln, 1935.
- Mimeographed.

New Mexico

- HOLLINGER, E. C. Methods in extension education. (N. Mex. Agr. Col. Ext. E. M. 20.) State College, 1935.
- Mimeographed.
- HOLLINGER, E. C. Extension activities in 1934. (N. Mex. Agr. Col. Ext. E. M. 23.) State College, 1935.
- Mimeographed.

New York

- PRIDHAM, A. M. S., and others. The bearded iris. (N. Y. Agr. Col. (Cornell) Ext. Bul. 324.) Ithaca, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1935
(continued)

Ohio

GERLAUGH, M. E., and GARVIN, A. L. Home canning for better family meals.
(Ohio Agr. Col. Ext. Bul. 104, rev.) Columbus, 1935.

Oklahoma

MERRIFIELD, M. Appropriate finishes. (Okla. Agr. Col. Ext. Circ. 269, rev.)
Stillwater, 1935.
General Ser. 106.
McPHERTERS, W. H. How to build with native rock. (Okla. Agr. Col. Ext. Circ.
317.) Stillwater, 1935.
Gen. Ser. 95.

Puerto Rico

RODRIGUEZ, F. J. Cultivo del tabaco. (Puerto Rico Univ. Agr. Ext. Bul. 4.)
Rio Piedras, 1935.

Texas

BARNES, D. R. Finishes for every fancy. (Texas Agr. Col. Ext. [Circ.] C-104.)
College Station, 1935.

Washington

MORRIS, O. M., and others. Orchard cover crops. (Wash. State Col. Ext. Bul.
208.) Pullman, 1935.

West Virginia

HUMPHREYS, G. Reading in the home. (W. Va. Agr. Col. Ext. Good Living Ser. III,
Lesson no. 10, Adventures in Better Living.) Morgantown, [1935]

Wisconsin

BOYNTON, A. M., and KIRKPATRICK, E. L. Possibilities of a rural youth movement.
(Wis. Agr. Col. Ext. Spec. Circ. [unnumbered]) Madison, 1935.
Rural Youth and Rural Life Series.
Mimeographed.

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The American Society of Agricultural Engineers on October 9, 1935, dedicated a memorial to John Johnston, originator of tile drainage in America in 1835. The memorial is on the Johnston Farm near Geneva, N. Y. Addresses were made by Dr. U. P. Hedrick, Director of the Geneva Experiment Station, Mr. L. F. Livingston, President, American Society of Agricultural Engineers, Dr. A. C. Flick, State Historian, Mr. S. H. McCrory, Chief, Bureau of Agricultural Engineering, U. S. Department of Agriculture, Dr. L. H. Bailey, Professor of Agriculture, Emeritus, Cornell University, and Mrs. Waldo Hutchins, of Geneva, granddaughter of John Johnston. John Johnston wrote no books but his occasional pithy statements which he contributed to farm journals had great weight.

BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Imperial bureau of soil science, Harpenden, Eng. Bibliography of soil science, fertilizers and general agronomy, 1931-1934. Harpenden, Eng., 1935. 473 p.
- London. Science museum, Science library. Rubber; its anti-oxidants and preservatives, [a bibliography] compiled by the Science library and the Research association of British rubber manufacturers. London, 1934. 82 numb. 1. (Bibliographical series, no. 151)
- U. S. Farm credit administration. Library. A selected list of references on the Farm credit administration. Compiled by Robert Haven Willey... under the direct supervision of Miriam C. Vance... Librarian, Washington, 1935. 56 p. Mimeographed.
- U. S. Bureau of reclamation. Bibliography on natural and pozzolanic blended cements and related subjects, by S. P. Wing. Under direction of B. W. Steele. Denver, 1934. 50 p. Mimeographed.

U. S. Department of Agriculture

Bureau of Agricultural Economics.

Agricultural relief measures relating to the raising of farm prices - 70th Congress, Dec. 5, 1927, to March 3, 1929. Compiled by Louise O. Bercau. 1935. 27 p. Mimeographed.

List of periodic dairy reports issued by the Bureau of agricultural economics. 1935. 4 p. Mimeographed.

Bureau of Biological Survey.

Available publications of the Bureau of biological survey. Prepared in the Division of public relations. Rev. Sept. 1935. 6 p. (Wildlife research and management leaflet BS-4) Mimeographed.

Bureau of Chemistry and Soils.

List of articles from the Fertilizer investigations unit, Bureau of chemistry and soils, published in scientific and technical journals. 1935. 34 p. Mimeographed.

List of selected references on distilled liquors and alcohol. Compiled by Harry E. Goresline. 1935. 3 p. (Issued by Food research division) Mimeographed.

Naragin. Compiled by H. H. Mottern. 1935. 3 p. (Issued by Food research division) Mimeographed.

Papaya and papain. A list of references compiled by V. A. Pease. 1935. 10 p. (Issued by Food research division) Mimeographed.

Selected references on gelatine, 1920 to 1934. Compiled by V. A. Pease. 1935. 3 p. (Issued by Food research division) Mimeographed.

Tea; selected references compiled by V. A. Pease. 1935. 2 p. (Issued by Food research division) Mimeographed.

Bureau of Entomology and Plant Quarantine.

A contribution to a bibliography of the described immature stages of North American coleoptera, By J. S. Wade. 1935. 114 p. (E-358) (Issued by Cereal and forage insect investigations) Mimeographed.

U. S. Department of Agriculture
(continued)

Forest Service.

List of publications: chemistry of wood and derived products. 1935. 29 p. (Issued by Forest products laboratory) Mimeographed.

A partial list of references, bearing upon selective timber management with special reference to the Pacific northwest. Prepared by Pacific northwest forest experiment station. 1935. 10 p. Mimeographed.

Publications, mimeographs, important manuscripts, prepared by the staff of Pacific northwest forest experiment station and Forest insect field laboratory, July 1935, to May 1935. 1935. 38 p.

Library.

Selected references on the history of agriculture in the United States. Compiled by Everett E. Edwards, Associate Agricultural Economist, Bureau of Agricultural Economics. 1934. 28 p. Mimeographed.

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NOTES ON PERIODICALS

Annales des fermentations. Masson & cie., éditeurs, Libraires de l'Académie de médecine. 120, Boulevard Saint-Germain, Paris. Appears 10 times a year. 8^o tome 1, no. 1, May 1935. Subscription: France et colonies, 60 fr. Étranger. 75 fr.

Časopis československých houbařů. Acta Societatis mycologicae čechoslovenicae. Praze. Changed to Č Č H. Mykologický zborník. Acta Societatis mycologicae čechoslovenicae. with roč 15, číslo 1-2, 1935.

The Fruit world of Australasia and "Market grower". Melbourne. Changed to The Fruit world & "Market grower" with v. 36, no. 8, Aug. 1935.

The Journal of biological chemistry. Spiess & Washton, 1107 Broadway, New York, N. Y., freq. not stated. 8^o vol. 1, no. 1, Nov. 1935. Price: 10 cents per copy.

Journal of social philosophy. College of the City of New York, Covent Avenue and 139th St., N. Y. quar. 4^o vol. 1, no. 1, Oct. 1935. Subscriptions: \$3.00 a year; \$1.00 a single copy.

Norsk landmannsblad. Oslo. Discontinued with årg. 54, nr. 25, June 27, 1935. Combined July 5, 1935, with Ukeskrift for landbruk og pelsdyravl to form Norsk landbruk.

Norsk landbruk. Oslo. w. 4^o. il. årg. 1, nr. 1, July 5, 1935. Merger of Norsk landmanbsblad and Ukeskrift for landbruk og pelsdyravl.

The Producer-consumer. The Producer-Consumer publishing company, inc., Amarillo, Texas. mo. f^o. il. vol.1, no. 1, July 1935. 60 cents a year. Outside of Texas, Oklahoma, and New Mexico \$1.00 a year.

"Wildlife review, an abstracting service for wildlife management", is the title of a new periodical of the Department. It is published by the Bureau of Biological Survey and was established for the benefit of employees and co-operators of that bureau. It is intended to abstract all pertinent papers appearing from 1935 on and eventually to list the more important previous publications. No regularity of issue is promised but numbers will appear from time to time as the material on hand warrants. They will be consecutively numbered so that the completeness of sets can be checked. No. 1 is for September 1935.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during October 1935; exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Comments on the agricultural situation. Radio talk by Honorable Henry A. Wallace, broadcast during the Department of agriculture period of the National farm and home hour, Oct. 21, 1935. 3 p.

Governmental favoritism to special groups. A radio talk by Honorable Henry A. Wallace, delivered in the Department period of the National farm and home hour Tuesday, Oct. 15, 1935. 3 p.

The problems of a high-tariff creditor nation. Address by Henry A. Wallace, in the National radio forum, Washington, D. C., Oct. 14, 1935. 9 p.

Scarcity versus abundance. Abstract of talk by Mordecai Ezekiel before 1935-36 alumni forum, N. Y. University, Oct. 8, 1935. 5 p.

Two years of wheat adjustment. A radio address delivered by M. L. Wilson in the Department period of the National farm and home hour, Oct. 14, 1935. 3 p.

Agricultural Adjustment Administration.

Auditing and accounting for the Agricultural adjustment administration. By John B. Payne. 1935. 28 p.

The potato problem. 1935. 11 p. (Issued by Potato section)

Proposals for meeting the potato problem. 1935. 3 p. (Issued by Potato section)

Proposed marketing agreement and proposed order for handlers of naval stores. 1935. 40 p. (Docket no. A-8, 0-8)

Proposed marketing agreement and proposed order regulating the handling of celery grown in the state of Florida, 1935. 42 p. (Docket no. A-7, 0-7)

Proposed marketing agreement and proposed order regulating the handling of potatoes grown in Colorado, Nebraska, Wyoming, and Idaho, 1935. 30 p. (Docket no. A-9, 0-9)

Questions and answers regarding potato programs. 1935. 8 p.

*Bibliographies included in general list of bibliographies on page 472.

**For a list of the principal series issued regularly, see v. 9, no. 10, p. 384.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Agricultural Adjustment Administration
(continued)

The referendum on the corn-hog program. Speech of G.B. Thorne at Shenandoah, Iowa. Oct. 18, 1935. 10 p. (Issued by Division of live-stock and feed grains)

Shall corn-hog adjustment continue? A brief economic analysis and related statistics. 1935. 20 p. (Form C.H.R. 4)

Tentatively approved marketing agreement regulating the handling of walnuts grown in California, Oregon, and Washington. 1935. 27 p. (Docket no. A.1, A.2 - O.1, O.2)

Bureau of Agricultural Economics

Arizona citrus tree and acreage survey of 1935. By Reginald Royston and M. R. Wells. A preliminary report. 1935. 16 p.

Cost of production of fresh peas. Data from studies in 11 states, selected years, 1914-33. Compiled from official sources by H. W. Hawthorne. 1935. 25 p. (Issued by Division of farm management and costs)

Cotton production in northeast Brazil. By P. K. Norris. 1935. 22 p. (F.S.-64) (Issued by Foreign agricultural service)

Demand, credit, prices outlook charts, for use with agricultural outlook for 1936. 1935. 30 p.

Farm real-estate taxes in the United States, 1913 to 1934. 1935. 2 p. (Issued by Division of agricultural finance)

Farm value, gross income, and cash income from farm production, 1932-1933-1934. State summaries. 1935. unpag. (Issued by Division of crop and livestock estimates)

Index numbers of prices received by farmers for farm products 1910 to 1935. Prepared by Arthur G. Peterson under the direction of O.C. Stine. 1935. 72 p. (Issued by Division of statistical and historical research)

Influence of test weight per bushel on milling and baking quality of hard red spring wheat - crop of 1935. By D.A. Coleman. A preliminary report. 1935. 13 p. (Issued by Grain division)

The livestock situation for 1935-36. By C. A. Burmeister. 1935. 9 p. (Address, Annual convention of the Institute of American meat packers, Chicago, October 21, 1935)

Marketing Colorado cantaloupes; a brief review of the 1935 season. By W. D. Googe. 1935. 14 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics
(continued)

- Marketing Georgia peaches, 1935 season. 1935. 8 p. (In cooperation with Georgia Dept. of agriculture, Bureau of markets)
- Marketing Imperial valley lettuce; summary of 1935 season. By A.E. Prugh. 1935. 21 p.
- Marketing northwestern apples; a summary of the 1934-1935 season. By L. B. Gerry and L.S. Fenn. 1935. 47 p.
- Marketing the lower Rio Grande valley Texas potato crop; brief review of the 1935 season. By W. D. Googe. 1935. 11 p. (In cooperation with Texas Dept. of agriculture, Markets division)
- 1934 shipments of northwestern fruits and vegetables unloaded. 13 p. (Issued by Market news service, Seattle, Washington)
- Research in progress in the Bureau of agricultural economics, July 1, 1935. Prepared for use of research workers in the Bureau of agricultural economics, the state agricultural colleges and experiment stations, and other research agencies in agricultural economics. 1935. 84 p.
- Revised estimates of receipts from the sale of principal farm products, by states, January 1934 - June 1935. 57 p.
- Revised estimates of rye acreage, yield per acre and production, 1866-1929. 1935. 50 p.
- Statistics of the peach industry. Prepared for the use of outlook workers. 1935. 28 p.
- Tax delinquency of rural real estate in nine Louisiana counties, 1928-33. 1935. 15 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 45 Mississippi counties, 1928-33. 1935. 17 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 11 Idaho counties, 1928-33. 1935. 11 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 55 Texas counties, 1928-33. 1935. 17 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 16 New York counties, 1928-33. 1935. 14 p. (Issued by Division of agricultural finance)
- U. S. standards for cleaned (unshelled) Virginia type peanuts. Effective November 1, 1935. 4 p.
- U. S. standards for shelled Virginia type peanuts. Effective November 1, 1935. 5 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Bureau of Agricultural Engineering

The engineering reorganization of farms. [By] H.A. Kessler, 1935. 7 p.
Paper delivered before the Annual meeting of the American society of agricultural engineers at Athens, Georgia, June 20, 1935.

Bureau of Animal Industry

Poultry culture in the Salt river valley of Arizona. By Burt W. Heywang.
1935. 3 p. (A.H.D. 15) (Issued by Animal husbandry division)

Bureau of Biological Survey

Federal regulations on hunting waterfowl explained. Oct. 1935. 4 p. (Wildlife research and management leaflet BS-18)

Fifty years of conservation. Address delivered by Jay N. Darling at Lake Placid, N. Y., on September 13, 1935. 3 p.

Plants valuable for wildlife utilization and for erosion control. By W. L. McAtee. 1935. 11 p. (Wildlife research and management leaflet BS-19).

Bureau of Chemistry and Soils

How to prevent sugaring of sugarcane sirup. By C.F. Walton, jr., and E.K. Ventre. Revised July 1935. 6 p.

Suggestions on making best quality sugarcane sirup, and how to use the decolorizing carbon. [By] C. F. Walton, jr., and E.K. Ventre. Revised Sept. 1935. 8 p.

Bureau of Dairy Industry

Chocolate-flavored milk. By F. M. Grant... 1935. 4 p. (BDIM-878) (Issued by Division of market-milk investigations)

✓ The relation between the color and vitamin A of butter and the feed of the cow. By H.T. Converse, H. G. Wiseman and E. B. Meigs. 1934. 6 p. (BDIM-681) (Presented at the 27th annual meeting of the American society of animal production, Chicago, Ill., Nov. 30, and Dec. 1, 1934)

Bureau of Entomology and Plant Quarantine

A cage for rearing minute insects. By E. V. Walter. 1935. 1 p. (ET-61) (Issued by Division of cereal and forage insect investigations)

The oblong weevil (*Phyllobius oblongus* L.) a new introduced pest of trees. 1935. 4 p. (E-359) (Issued by Division of forest insect investigations)

A rain-gauge support. By M. R. Osburn. 1935. 1 p. (ET-60) (Issued by Division of fruit insect investigations)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Entomology and Plant Quarantine (continued)

Stem rust in 1935. By E. C. Stakman. 1935. 7 p. (Issued by Division of plant disease control)

Extension Service

Agricultural economics extension work in 1934. Prepared by Agricultural economics extension section, Division of cooperative extension. 1935. 15 p. (Extension service circular 221)

Farming as a life work. [By] O.E. Baker. 1935. 12 p. (Extension service circular 224) (Supersedes Extension service circular 178)

General agricultural situation. 1935. 25 p. (Economics handbook for use of state extension specialists) (Assembled by Agricultural economics section, Division of cooperative extension, in cooperation with Bureau of agricultural economics)

Home demonstration work comes of age. By Grace E. Frysinger. 1935. 10 p. (Extension service circular 222)

Lespedeza. Excerpts from 1934 annual reports of state and county extension agents. Prepared by Extension studies and teaching section. 1935. 27 p. (Extension service circular no. 220)

The outlook for rural youth. By O.E. Baker. 1935. 35 p. (Extension service circular 223) (Supersedes Extension service circular 203)

Poultry and poultry products. 1935. 21 p. (Economics handbook for use of state extension specialists) (Assembled by Agricultural economics section, Division of cooperative extension, in cooperation with Bureau of agricultural economics)

Suggestions for use in conducting educational work on hay. By E. O. Pollock. 1935. 23 p. (In cooperation with the Bureau of agricultural economics)

Forest Service

Blood albumin glues - their manufacture, preparation and application. Revised July 1935. 5 p. (Issued by Forest products laboratory)

Collecting, extracting, and marketing southern pine seed. By Philip C. Wakeley. 1935. 10 p. (Southern forest experiment station. Occasional paper no. 51)

Comparisons of national forest timber estimates in the Douglas fir region. Based on the results of the Forest survey. By C. Weldon Kline. 1934. 7 p. (Issued by Pacific northwest forest experiment station)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service

(Continued)

Drying and conditioning glued joints. 1935. 5 p. (Issued by Forest products laboratory, in cooperation with the University of Wisconsin, Madison, Wisconsin)

Forest fire statistics for the United States (exclusive of Alaska) area burned on protected areas only. July 10, 1935. 22 p.

Forest products laboratory research program, 1934-1935. 1934. 120 p. (Issued by Forest products laboratory in cooperation with the University of Wisconsin, Madison, Wisconsin)

Forest soils; the basis of forest management. By Eugene I. Roe. 1935. 9 p. (Issued by Lake states forest experiment station)

Killing undesirable hardwoods in southern forests, By Henry Bull and R. A. Chapman. 1935. 21 p. (Southern forest experiment station. Occasional paper no. 50)

The plains shelterbelt project. Statement prepared by the Lake states forest experiment station. 1935. 6 p.

Pulping and nonpulping cordwood volume in the southwest Alabama survey area. By Southern forest survey staff. 1935. 12 p. (Southern forest experiment station. Forest survey release no. 16)

Small water developments handbook for use of Civilian conservation corps. 1935. 69p.

What, where, when, and why are termites? By Thos. E. Snyder. 1935. 6 p. (Southern forest experiment station. Occasional paper no. 52)

Bureau of Home Economics

Soybeans and soybean products for table use. By Ellen J. Kingsley. 1935. 17 p. (Issued by Foods and nutrition division)

Bureau of Plant Industry

Control of pecan rosette. By H. L. Crane. 1935. 2 p. (Issued by Division of fruit and vegetable crops and diseases)

Reaction of wheat varieties, selections, and hybrids to mosaic and mosaic-rosette. [By H. H. McKinney] 1935. 3 p. (Issued by Division of cereal crops and diseases) Tests conducted cooperatively with the Agricultural experiment stations of Illinois, North Carolina, and Purdue university.

Some distinguishing characters of certain species of the genus Brassica. By Albina F. Musil. 1935. 5 p. (Issued by Division of seed investigations)

Weather Bureau

Transmission of air mass and frontal analysis by teletype and radio. 1935. 8 p.

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A PROPOSED TRANSLATION EXCHANGE SERVICE

In the July 1935 issue of Agricultural Library Notes, there appeared an article on Translations of Scientific Publications, in which an appeal was made for the cooperation of the bureaus of the Department in filing in the Library of the Department copies of translations made in their offices. Since then an Interbureau Committee on Translations has been organized in the Department, of which Dr. H. B. Humphrey, Principal Pathologist, Bureau of Plant Industry, is the chairman. Other members of the committee are: Dr. H. P. Barss, Principal Botanist, Office of Experiment Stations, Mr. G. F. Gravatt, Division of Forest Pathology, Bureau of Plant Industry, Miss Mary G. Lacy, Librarian, Bureau of Agricultural Economics, and Miss C. R. Barnett, Librarian of the Department. This committee has had several meetings to discuss means of furthering translating work. One of the recommendations of the committee is that there be established in the Department a Translating Exchange Service and that it be attached to the Library. The committee further recommended the extension of the service to include the land-grant colleges and universities. With the object of enlisting their support for the project, the matter was presented by Dr. H. B. Humphrey, on behalf of the Interbureau Committee on Translations, before the Sub-section on Experiment Station Work, on Monday, November 18, 1935, at the annual convention of the Association of Land-Grant Colleges and Universities. As a result, a committee of the Sub-section on Experiment Station Work was appointed to confer with the Department of Agriculture Interbureau Committee on Translations. Following the discussion between the two committees a unanimous endorsement of the plan was presented to the Sub-section on Experiment Station Work by the committee of the section, and received its approval. With this encouragement it is hoped that means will be forthcoming to carry on the project.

If given the necessary support, the Library of the Department has agreed to undertake to provide this translation exchange service. To carry on the project, the plan proposed is for the Library

1. To serve as a central depository for all translations sent to it, to preserve them suitably so that they may be consulted, copied, or photographed, to maintain a catalogue of them, and to issue current lists of the translations.
2. To lend duplicates of translations deposited with it, or if desired, to provide for photographic reproduction of the translations and of the charts and illustrations, at the same rate for which film copies of printed publications are furnished by the Biblio-Film Service operating in the Library.
3. To carry on the work of soliciting translations from the cooperating institutions.
4. To build up a mailing list of cooperating agencies and individuals who desire to maintain contact with the translation exchange service.
5. To act, in so far as possible, as a clearing house for information relating to translations available at cooperating institutions.

A PROPOSED TRANSLATION EXCHANGE SERVICE
(continued)

If a similar plan is carried out in the various land-grant colleges and universities, including as a part of the plan the furnishing to the Department of Agriculture Library of copies of translations made in future in the various institutions, the sum total of the efforts of this network could be made available to all the cooperating institutions to their mutual advantage. A beginning in this large plan has already been made at the University of California Library as shown by the following statement from a letter dated November 5, 1935, from Mr. J. J. Lund of the School of Librarianship, University of California:

"Mrs. M. J. Abbott, Librarian of the Biology Library, has suggested that I reply to the request in your letter to her of October 23d for more information concerning the translation project on which I am working, and I am very glad to have the opportunity of doing so."

"As a preliminary step I have attempted to investigate the amount of translation being done at the University of California by interviewing the heads of various departments, particularly in the fields of natural and applied science, and supervisors of PWA projects. While this survey has not as yet been completed, I have found the number of translations now being made much greater than I had anticipated, and since I also found sufficient evidence of willingness to cooperate in a plea for central filing to warrant the conclusion that this would be the general attitude, I decided that it would be well immediately to formulate a definite plan of procedure."

"The plan that I considered at first of having merely a central card index to the translations filed in the respective departmental offices or libraries is manifestly unfeasible. In the first place, they would not be sufficiently easy of access, and in the second place, the systems of classification used for filing in the various departments are such as would not easily be understood by others than specialists in that particular field. Hence the only practical plan, as also stated in your article in Agricultural Library Notes, July 1935, is to have a separate copy of each translation available for the central file. Whether it will be sufficient merely to arrange these alphabetically by author or whether a further index will be necessary can be decided later."

"The University library is willing to support any such plan, although it may be necessary that it be financed for the present with government funds, and a letter is now being prepared requesting the supervisors of translation projects to arrange at once to have sufficient copies made of all translations so that the first carbon copy may be available for the central file. What is to be done about translations already made, can be decided later, but a great deal of work will be saved, in any case, if the making of the extra copy for the library of all new translations as these are typed is commenced at once."

"As there can be no doubt about the importance and value of such a file, I am very anxious that the plan be put into operation here, and should like to keep informed on what is being done in this respect at the Agriculture Library and also to know whether other libraries are considering the plan. I hope to be able before long to report more fully on the progress of the work here."

It is hoped that many other states will be able to cooperate in a similar way.

Claribel R. Barnett, Librarian.

NEWS ITEMS REGARDING THE STATE AGRICULTURAL COLLEGE LIBRARIES

Massachusetts State College Library:

On November 8, 1935, the new Goodell Library at Massachusetts State College was dedicated with impressive ceremonies. The following extracts regarding the Library are taken from the Springfield Republican for November 7, 1935:

"The new Goodell Library is one of the most modern college libraries in the country, according to the present librarian, Basil B. Wood. The design of the new building, named for Dr. Henry Goodell, president of the college from 1888 to 1904, and first college librarian, in many respects incorporates features found in few other college libraries... Segregation of the different classes of readers so that the browsers will not interfere with those who are doing research and so that those who wish to meet for discussion over their books will not interfere with those who wish quiet, has been accomplished by arrangement of rooms for each purpose. The main stacks of the library are directly across the entrance foyer from the main doors, making the most used part of the library readily accessible to the students. These stacks are lighted with unusual care and are in sharp contrast to the dark book storages of many older libraries. Free access is granted to all, and study tables are arranged on each floor. Separate study desks are provided. Easy chairs and floor lamps around the margin of the large reading room provide facilities for those who wish to read at complete ease.

"Conversation is usually strictly prohibited in most libraries but students wishing to converse in Goodell library may do so in specially designed conversation rooms which are provided as 'safety valves' for those not wishing to maintain the traditional library silence. Free conversation is permitted in the main entrance hall and in conference rooms and seminars.

"The Goodell library can be expanded to four times its size without in any way disturbing the front entrance or facade, if future growth of the college warrants this expansion."

New York State College of Agriculture Library:

The following information concerning the Library of the Bailey Hortorium, recently presented by Dr. L. H. Bailey to Cornell University, has been supplied by his daughter, Miss Ethel Zoe Bailey:

"The library comprises about 4,000 titles. It represents the old horticultural library which at the time of its assembly comprised one of the leading collections of American books on the subject. The library contains, as far as possible, local and regional floras of the world and monographs of genera and families of plants. In the course of time, a good number of rarities have been accumulated. Horticultural books that are concerned with the kinds of plants in cultivation have been obtained as far as possible. Sets of continuing series of periodicals are not kept, inasmuch as these are maintained in the University library.

"The library remains in its original place, together with the herbarium collections, and it has not yet been catalogued in the University system, having a catalogue of its own."

NEWS ITEMS REGARDING THE STATE AGRICULTURAL COLLEGE LIBRARIES
(continued)

Oklahoma Agricultural and Mechanical College Library:

The report of the Library of the Oklahoma Agricultural and Mechanical College for the fiscal year July 1, 1934-June 30, 1935, has been issued as its Library Bulletin No. 1, and also as Bulletin of the Oklahoma Agricultural and Mechanical College, vol. 32, no. 7. It was made by Mr. Icko Iben, who has been Librarian of the College since September 1934. As it is the first extensive report of the library to be issued for some time, it contains considerable material regarding the progress of the library in previous years, including a table on the annual increment of the book collections from 1893 to 1935, and a table on the relation between the increase in the student body and the number of volumes in the Library, 1900 to 1935. Two illustrations are included, showing the mainreading room and the loan desk and floor plans of the first and second floor. The report also contains a table of statistics on days and hours of opening of twenty-three of the Southern college and university libraries and a second table pertaining to the working conditions of full-time professional assistants in these libraries.

Pennsylvania State College Library:

The following extracts regarding the addition to the Pennsylvania State College Library is taken from the New York Times for November 10, 1935:

"Building changes at a cost of \$10,000 in the central building of the Pennsylvania State College Library have provided a stack for 20,000 additional volumes, additional space for at least twenty-five readers in the main reading room, better control over the books and a metal stack in the basement for about 25,000 magazines and pamphlets formerly stored on old wooden shelving.

"The central library building was erected in 1905 as the gift of Andrew Carnegie and was planned to hold 40,000 volumes. Today the entire library, including branch collections, has a total of 160,000 volumes and the central building has long since reached the limit of its resources. A new building, with stacks for 500,000 volumes, adequate administrative offices and work rooms, seminar rooms, faculty studies, recreational and special reading rooms and many other facilities now entirely unprovided for, is urgently needed, college officials say.

"In order to provide for the next three or four years, or until such a building can be erected, alcoves and circular stairs around the main reading room have been removed and the two-story Snead stack constructed for the 20,000 added volumes. In addition, a rearrangement of the floor plan in the reading room, eliminating unnecessary aisles, provides additional space for reading tables.

"The elimination of main floor alcoves released ten tiers of varied metal bookstacks which were transferred to the periodical storage room in the basement to replace the old wooden stack."

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DUPLICATES OFFERED BY THE OFFICE OF EXPERIMENT STATIONS LIBRARY

American Association of Farmers' Institute Workers Proceedings 6-22(1901-1917).
1902-1918.

Proceedings 6-17, inclusive, issued as Off. Expt. Stas. Bul. 110, 120,
138, 154, 165, 182, 199, 213, 225, 238, 251, 256. 1902-1913.

Bailey, L. H. Farmers' institutes: history and status in the United States
and Canada. Off. Expt. Stas. Bul. 79. 1900.

Hamilton, John, History of farmers' institutes in the United States. Off.
Expt. Stas. Bul. 174.

Hamilton, John. Legislation relating to Farmers' institutes in the United
States. Off. Expt. Stas. Bul. 241. 1911.

Hamilton, John. Farmers' institutes for women. Off. Expt. Stas. Circ. 85.
1909.

Hamilton, John, and Stedman, J. M. Farmers' institutes for young people.
Off. Expt. Stas. Circ. 99. 1910.

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LOST BOOK

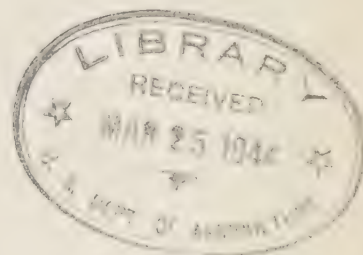
The following book cannot be found. It will be appreciated if anyone having
information in regard to it will notify the Loan Desk of the main Library:

Institut für allgemeine botanik, Hamburg. Mitteilungen, v.6, no. 3. 1927.

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PRINCIPAL LIBRARY ACCESSIONS

Botany

- CAMUS, A. Les chênes; monographie du genre Quercus. v. 1. Paris, Lechevalier, 1934.
- MARIE-VICTORIN, Frère. Flore laurentienne. Montréal, La Salle, 1935.
- IOWA. STATE PLANNING BOARD. Woody plants of Iowa recommended for game cover. [Ames? 1935?] Mimeographed.
- MASSART, J., and others. Une mission biologique belge au Brésil. Bruxelles, Imprimerie médicale et scientifique, 1929-30.
- POSTHUMUS, Oene. The ferns of Surinam and of French and British Guiana. Malang, Jahn, 1935.
- ROBERTS, E. A., and LAWRENCE, J. R. American ferns. New York, Macmillan, 1935.
- THOMAS, M. Plant physiology. Philadelphia, Blakiston, 1935.

Chemistry

- BERG, R. Das o-oxychinolin "oxin". Stuttgart, Enke, 1935. (Die chemische analyse. bd. 34)
- HARTSHORNE, N. H., and STUART, A. Crystals and the polarizing microscope; a handbook for chemists and others. London, Arnold, 1934.
- INTERNATIONAL SOCIETY OF LEATHER TRADES' CHEMISTS. BRITISH SECTION. Technical aspects of emulsions, being the papers read at a symposium held in London, Dec. 7, 1934. London, Harvey, 1935.

Colonization

- ELSHOFF, F. Zwei jahre vorstädtische kleinsiedlung. Münster (Westf.), Wirtschafts- und sozialwissenschaftlicher verlag, 1934. (Forschungsstelle für siedlungs- und wohnungswesen an der Universität Münster i. W. Materialiensammlung. bd. 11)
- ORWIN, C. S., and DARKE, W. F. Back to the land. London, King, 1935.
- ÖSTERREICHISCHES KUPATORIUM FÜR WIRTSCHAFTLICHKEIT. ARBEITSAUSSCHUSS "INNENKOLONISATION". Der aufbau des österreichischen siedlungswerkes. Wien, Springer, 1933. (ÖKW-Veröffentlichung 14)
- POSZWA, L. L'émigration polonaise agricole en France. Paris, Gebethner & Wolff, 1930.
- TURNER, C. H. Land settlement in Germany. London, King, 1935.

Crop plants

- DAWSON, T. R., and PORRITT, B. D. Rubber, physical and chemical properties. Croydon, Eng., Research association of British rubber manufacturers, 1935.
- UKERS, W. H. All about coffee. Ed. 2. New York, Tea and coffee trade journal company, 1935.
- ZISCHKA, A. Der Kampf um die weltmacht baumwolle. Leipzig, Goldmann, 1935.

PRINCIPAL LIBRARY ACCESSIONS
(continued)

Domestic Animals

HEMELSDAEL, P. Contribution à l'étude de la race porcine flamande. Paris, 1935.

INTERNATIONAL INSTITUTE OF AGRICULTURE. BUREAU OF AGRICULTURAL SCIENCE AND PRACTICE. Dairy cow testing throughout the world. Rome, 1935.

Drainage

BARAVELLI, G. C. Integral land-reclamation in Italy. Roma, Società editrice di "Novissima", 1935.

Economic geography

BERGSMARK, D. R. Economic geography of Asia. New York, Prentice-Hall, 1935.

DUBOIS, M., and Kergomard, J. G. Géographie économique. Ed. 4. Paris, Masson, 1934.

Economics

BERNSTEIN, E. M. Money and the economic system. Chapel Hill, University of North Carolina press, 1935.

FAIRCHILD, F. R., and others. A description of the "new deal". Rev. ed. New York, Macmillan, 1935.

CHASE, S. Government in business. New York, Macmillan, 1935.

CIVIS. Electricity and nationalization; a plea for commonsense. London, Benn, 1935.

GT. BRIT. CUSTOMS AND EXCISE DEPT. Customs regulations and procedure in the United Kingdom of Great Britain and Northern Ireland. London, 1935.

HAIGHT, F. A. French import quotas. London, King, 1935. (London school of economics and political science. Studies in economics and commerce. no. 6)

LAMB, B. P. Government and the consumer. Washington, National league of women voters, 1935.

MARQUARDT, H. Die Ausrichtung der landwirtschaftlichen Produktion an den Preisen; zugleich ein Beitrag zur Theorie des verbundenen Angebots. Jena, Fischer, 1934. (Probleme der theoretischen National-Ökonomie, Hft. 3)

MORONI, P. L'agriculture française et le contingentement des importations. Paris, Sirey, 1934.

MUSSOLINI, B. Fascism; doctrine and institutions. Rome, "Ardita", 1935.

----- Four speeches on the corporate state. Roma, "Laboremus", 1935.

NEW JERSEY TAX DEPT. SALES TAX DIVISION. Rules and regulations for the administration of the Sales tax act. Newark, N. J., 1935.

THE NEXT FIVE YEARS; an essay in political agreement. London, Macmillan, 1935.

RIDLEY, C. E., and NOLTING, O. F., ed. What the depression has done to cities. Chicago, International city managers' association, 1935.

WASHINGTON (STATE) LAWS, STATUTES, etc. Revenue act of 1935. Complete text of chapter 180, Laws of 1935. Olympia, Wash., State printing plant, 1935.

PRINCIPAL LIBRARY ACCESSIONS

Economics (Continued)

- WEBER, A. Theory of the location of industries. Chicago, University of Chicago press, 1929.
- WILLIAMS, H., ed. Man and the machine. London, Routledge, 1935.

Economics, Agricultural

- BLEYL, W. Viehwirtschaft und viehstandsbewegung in der landwirtschaft des freistaates Sachsen. Dresden, Steinkopff, 1934. (Die lage der landwirtschaft im freistaat Sachsen... Ergänzungsheft I)
- CASTELNUOVO, A. di, ed. Agricoltura e agricoltori in regime fascista. Roma, Menaglia, 1935.
- HOPKINS, J. A. Elements of farm management. Ed. 2. Ames, Ia., 1935. Mimeographed.
- MINNESOTA. DEPT. OF CONSERVATION. DIVISION OF FORESTRY. General summary of land classification reports for the establishment of state forests and conservation areas. St. Paul, 1933. Mimeographed.
- NOURSE, E. G. Marketing agreements under the AAA. Washington, 1935. (Institute of economics of the Brookings institution. Publication no. 63)
- PINTO, J. J. Política rural (temas agro-zootécnicos)t.l. Porto Alegre, Oficinas gráficas da Livraria do globo, 1935.
- ROUX, P., and others. Les populations rurales du Puy-de-Dôme. Clermont-Ferrand, Bussac, 1933.
- SCHUTZHOLD, G. Die sachsische landfrau. Dresden, Steinkopff, 1934. (Die lage der landwirtschaft im freistaat Sachsen. Ergänzungsheft 2)
- WHITTLESEY, D. S. Types of agricultural occupance of the land. Cambridge, Mass., 1935. Mimeographed.

Engineering

- ALLEN, J. R., and Walker, J. H. Heating and air conditioning. Ed. 4. New York, McGraw-Hill, 1935.
- AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS. Standard specifications for arc welding metal bridge structures; a supplement to Standard specifications for bridges. Washington, 1935.
- Standard specifications for highway bridges. Ed. 2. Washington, 1935.
- AMERICAN RAILWAY ENGINEERING ASSOCIATION. Specifications for steel highway bridges. Ed. 2, Chicago, 1932.
- Specifications for steel railway bridges for fixed spans not exceeding 400 feet in length. Chicago, 1935.
- BARAVELLI, G. C. Policy of public works under the Fascist regime. Roma, Società editrice di "Novissima", 1935.
- DEBES, G. Le nouveau règlement du béton armé, Paris, Librairie de l'enseignement technique, 1935.
- GAYER, A. D. Public works in prosperity and depression. New York, 1935. (Publications of the National bureau of economic research, inc. no. 29)
- PUBLIC WORKS, ROADS AND TRANSPORT CONGRESS, London, 1933. ORGANISING COMMITTEE. British bridges. London, 1933.

PRINCIPAL LIBRARY ACCESSIONS

Engineering (Continued)

- SHEED, T. C. and VAWTER, J. Theory of simple structures, New York, Wiley, 1931.
- TIMOSHENKO, S., and MACCULLOUGH, G. H. Elements of strength of materials. New York, Van Nostrand, 1935.
- YOUNG, C. R. Elementary structural problems in steel and timber. Ed. 2. New York, Wiley, 1935.

Entomology

- ARIAS, J. M. Atlas de insectos ciepmies y arañas. Ed. 5. Barcelona, Seither, 1934.
- BALACHOWSKY, A., and MESNIL, L. Les insectes nuisibles aux plantes cultivées. Paris, Busson, 1935.
- DUNCAN, F. M. Beetles and flies. London, Milford, 1931.
- HERRICK, G. W. Insect enemies of shade-trees. Ithaca, N. Y., Comstock, 1935.
- INTERNATIONAL CONGRESS OF ENTOMOLOGY. 5th, Paris, 1932. [Report] Paris, Secrétariat du Congrès, 1933.
- LAIDLAW, W. B. R. The wasp; the genus Vespa in Scotland. Edinburgh, Baxter, 1934.

Food and drugs

- BRIDGES, M. A. Food and beverage analysis. Philadelphia, Lea & Febiger, 1935.
- PALMER, B. B. Paying through the teeth. New York, Vanguard, 1935.
- PRECISION SCIENTIFIC COMPANY, Chicago. Methods and apparatus for testing food tenderness. Chicago, 1935. Mimeographed.
- SCHLINK, F. J. Eat, drink and be wary. New York, Covici, Friede, 1935.

Forestry

- SCHOENICHEN, W. Deutsche waldbäume und walddtypen. Jena, Fischer, 1933.

Genetics

- JENNINGS, H. S. Genetics. New York, Norton, 1935.

Guide Books

- CONNECTICUT GUIDE, comp. by E. L. Keermance. Hartford, Conn., Emergency relief commission, 1935.
- WASHINGTON POST. The Potomac trail book, by R. Shosteck. Washington, 1935.

History

- OLSON, A. L. Agricultural economy and the population in eighteenth-century Connecticut. New Haven, Conn, 1935. (Connecticut. Tercentenary commission. Committee on historical publications. [Pamphlets] 40)

PRINCIPAL LIBRARY ACCESSIONS
(continued)

Horticulture

- BAXTER, E. M. California cactus. Los Angeles, Calif., Abbey San Encino press, 1935.
- BEWLEY, W. F., and HARNETT, J. The cultivation of mushrooms. London, Shepherd & Hosking, 1934.
- CONGRES INTERNATIONAL D'HORTICULTURE. 11th, Rome, 1935. Comptes-rendus. Roma, Arte Stampa, 1935.
- HENSLOW, T. G. W. Gardens of colour. London, Warne, 1934.

Housing, Building

- CONFEDERAZIONE FASCISTA DEI LAVORATORI DELL'AGRICOLTURA. Per le case rurali. Roma, "Arte della stampa", 1934.
- SCHOSZBERGER, H. Bautechnischer luftschutz. Berlin, Bauwelt, 1934.
- SCOTLAND. DEPT. OF HEALTH. Housing (Scotland) act, 1935. Changes in housing law and general. Edinburgh, 1935. (Housing memorandum no. 78)
- Prevention of overcrowding. Edinburgh, 1935. (Housing memorandum no. 77)

Mathematics

- DOHR, J. L., and others. Cost accounting principles and practice. Ed. 2. New York, Ronald, 1935.
- TRELOAR, A. E. An outline of biometric analysis. Minneapolis, Minn., Burgess, 1935. Mimeographed.

Pathology, Physiology

- DALE, Sir H. H. Viruses and heterogenesis. London, Macmillan, 1935.
- GAY, F. P. Agents of disease and host resistance. Springfield, Ill., Thomas, 1935.
- HOMMAGE À la mémoire du professeur Jean Cantacuzène. Paris, Masson, 1934.
- KREIS, H. A. Oncholaiminae filipjev 1916. 's-Gravenhage, Nijhoff, 1934. (Capita zoologica. deel 4, afl. 5)
- PETERS, J. P. Body water; the exchange of fluids in man. Springfield, Ill., Thomas, 1935.
- YOKOGAWA, S., and Morishita, K. Handbook of human parasitology. Tokyo, Tohodo, 1931-33. Japanese.

Planning

- ILLINOIS. STATE PLANNING COMMISSION. Report. [Springfield?] 1935. Multi-graphed.
- INDIANA. STATE PLANNING BOARD. Preliminary report on a state plan for Indiana. Ed. 2. v. 1. [Indianapolis?] 1934. Mimeographed.
- IOWA. STATE PLANNING BOARD. Business survey of northwest Iowa. [Ames? 1935?] Mimeographed.
- Report on radio activities of Iowa colleges and universities. [Ames?] 1935. Mimeographed.
- MONROE CO., N. Y. Regional planning board. Past and current finances of Monroe County, 1915-1933. Rochester, N. Y., 1935. Mimeographed.

PRINCIPAL LIBRARY ACCESSIONS

Planning (continued)

- NATIONAL LEAGUE OF YOUNG LIBERALS. POLITICAL RESEARCH COMMITTEE. To plan or not to plan? London, 1935.
- NEW HAMPSHIRE. STATE PLANNING AND DEVELOPMENT COMMISSION. ADVISORY COMMITTEE ON TRANSPORTATION. Public passenger carriers in New Hampshire. pt. 1. Concord, N.H., 1935. Mimeographed.
- UTAH. STATE PLANNING BOARD. A state plan for Utah; progress report. 1st section. Salt Lake City, 1935. Mimeographed.
- WISCONSIN. STATE REGIONAL PLANNING COMMITTEE. Preliminary report of the land-use problem regions of Wisconsin. [n.p.] 1934. Typewritten.
- The problem regions of Wisconsin. [n.p.] 1935. Typewritten.

Reference books

- DEUTSCHES biologen-handbuch. v. 1. München, Lehmann, 1935.
- WHO'S WHO AMONG ASSOCIATION EXECUTIVES. 1935. New York, Institute for research in biography, 1935.

Roads, Transportation

- COTTON-TEXTILE INSTITUTE, inc. Cotton "farm-to-market" roads. New York city, 1935.
- JACKMAN, W. T. Economic principles of transportation. Toronto, University of Toronto, press, 1935.

Soils

- WORTHEN, E. L. Farm soils, their management and fertilization. Ed. 2. New York, Wiley, 1935.

Statistics

- GLEITZE, B. Statistisches lexikon. Tübingen, Mohr, 1935.
- SPAIN. INSTITUTO GEOGRÁFICO, CATASTRAL Y DE ESTADÍSTICA. Extranjeros inscritos en el censo de población de 1930. Madrid, Boué, 1935.
- WISHART, J., and SANDERS, H. G. Principles and practice of field experimentation. London, Empire cotton growing corporation, 1935.

Textiles

- AMERICAN SOCIETY FOR TESTING MATERIALS. COMMITTEE D-13 ON TEXTILE MATERIALS. A.S.T.M. standards on textile materials. Philadelphia, 1935.
- BLANCO SANTANARÍA, G., and GIORDIA PÉREZ, E. La industria textil catalana. Madrid, 1933. (Sociedad para el progreso social. Publicación núm. 34)
- COTTON TEXTILE NATIONAL INDUSTRIAL RELATIONS BOARD. Decisions, Aug. 8, 1933, to Aug. 8, 1934. [Washington? 1934?] Mimeographed.
- JACOBS, W. P. The pioneer. Clinton, S.C., Jacobs, 1935. (Life of Capt. Ellison Adger Smyth, southern cotton manufacturer.)

Toxicology

- HUG, E. Tratamientos de la intoxicación cianhídrica sus mecanismos fisiológicos. Buenos Aires, Ateneo, 1934.

ACCESSIONS
(continued)

Veterinary history

MERRILLAT, D. A., and CAMPBELL, D. M. Veterinary military history of the United States. Kansas City, Mo., Haver-Glover laboratories, 1935.

Wild life conservation

CONIERY, R. H. Governmental problems in wild life conservation. New York, 1935. (Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. no. 411)

Wool

DELL'AMORE, G. La lana. Milano, Giuffrè, 1934. (Università commerciale L. Bocconi, Istituto di ricerche tecnico commerciali. Pubblicazioni serie I. n.7)

Young people

HINSHAW, K. 4-H; a story - weaving together actual 4-H experiences. New York, Orange Judd, 1935.

MILLER, N. The girl in the rural family. Chapel Hill, University of North Carolina press, 1935.

PENDRY, E. R., and HARTSHORNE, H. Organizations for youth; leisure time and character building procedures. New York, McGraw-Hill, 1935.

Zoology

WHITFIELD, F. G. S., and WOOD, A. H. An introduction to comparative zoology, London, Churchill, 1935.

Theses

ARNDT, G. Grundsätze der siedlungspolitik und siedlungsmethode Friedrichs des grossen. Breslau, 1934. Inaug.-diss. Leipzig.

CORUTHERS, J. M. One-variety cotton communities. Ithaca, N. Y., 1934. Abstract of thesis (Ph.D.) Cornell university, 1934.

CRISTOVEANO, N. C. Essai critique sur la politique roumaine en matière de dettes agricole. Paris, 1933. Thèse. Univ. de Paris.

DROGUET, H. Le syndrome "paralysie des poules" en France. Paris, 1933. Thèse. Univ. de Paris.

FLAMENT, J. G. A. Contribution à l'étude de la staphylo-démodicose canine. Lyon, 1932. Thèse. Univ. de Paris.

HALL, O. M. Attitudes and unemployment. New York, 1934. (Archives of psychology. no. 165) Thesis, Columbia university,

HAYEK, L. Le dromadaire; étude plus spéciale de maladies cutanées. Paris, 1932. Thèse. Univ. de Paris.

PAPAUT, A. Le rôle de l'immigration agricole étrangère dans l'économie française. Paris, 1933. Thèse. Univ. de Paris.

PRINCIPAL LIBRARY ACCESSIONS

Theses (continued)

- PÉRIN, M. La coccidiose du lapin et du cobaye et son traitement par le lactosérum et les dérivés du lait. Paris, 1932. Thèse. Univ. de Paris.
- PORTUGALY, Yehuda. Les piroplasmoses des bovidés en Palestine. Paris, 1932. Thèse. Univ. de Paris.
- SAINT-PRIX, L. A. Étude de l'infection expérimentale du chien par Trypanosoma brucei. Paris, 1932. Thèse. Univ. de Paris.
- SCHLOSSER, D. Pathologie du vison. Sélestat, 1935. Thèse. Univ. de Paris.
- THIÉRY, J. Considérations sur l'examen des animaux atteints ou suspects de rage. Pau, 1932. Thèse. Univ. de Paris.

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RADIO AND THE FARMER

The Radio Institute of the Audible Arts, 80 Broadway, New York, has just issued a pamphlet of 68 pages bearing the following title; Radio and the Farmer by Edmund deS. Brunner, Professor of Education, Teachers College, Columbia University and a Symposium on the Relation of Radio to Rural Life. It is a survey of the opinions of rural leaders in all parts of the country on the relation of radio to rural life, compiled by The Radio Institute of the Audible Arts. The publication is one in a series of studies of the social and cultural aspects of radio published by the Institute to stimulate wider appreciation of worthwhile programs on the air, and to encourage fuller utilization of radio as an instrument of entertainment and education. It contains comments on such subjects as the value of radio in keeping young people on the farm, in relieving the loneliness of farm women, and in bringing the farmer into closer and more understanding relationship with the rest of the national family. At the end of the pamphlet is a brief bibliography.

The following extract from Dr. Brunner's article will be of special interest to State agricultural college librarians:

"One of the state college stations, WOI at Iowa State College, has made a real attack on the problems of the well-known deficiency in rural library service, by broadcasting book reviews and readings. Over 170 volumes of the better type of fiction have been reviewed and read. Local telephone managers report a decided drop in business while this broadcast is in progress. House-to-house canvassers have learned not to call at this time.

"An outgrowth of this feature has been a Radio Book Club which loans books at a very small charge from its list of nearly 1,000 titles, including both fiction and non-fiction. This club is self-supporting. It issues through the agricultural extension service a well-printed catalog of its books with a brief paragraph of description of each."

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PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT*

Office of the Secretary

- WALLACE, H. A. Food research and recovery. Not merely fragments of science but the whole body of science must grapple with the problem if recovery is to be permanent. Canner 21(24): 7-8, 24, Nov. 23, 1935.
- Problems of a high tariff creditor nation. Farm and Ranch 54(22): 9, 19-20. Nov. 15, 1935.
- Processing taxes - real and imaginary. Farm and Ranch 54(23): 16. Dec. 1, 1935.
- What I am trying to do. Prog. Farmers, Car.-Va. Ed. 50(11): 8-9. Nov. 1935.

Agricultural Adjustment Administration

- HUTSON, J. B. Grower and consumer interests in the potato problem. Amer. Potato Jour. 12: 295-303. Nov. 1935.

Bureau of Agricultural Engineering

- BENNETT, C. A. Brief discussion of gin saw tooth form and shape. Cotton Ginners' Jour. 7(1): 3-4, 14. Oct. 1935.
- Cotton gins in good condition. South. Agr. 65(8): 27. Aug. 1935.
- Research work in cotton ginning. Agr. Engin. 16:329-395. Oct. 1935.
- Some engineering features involved in the United States cotton ginning investigation. Part 1. Mid-South Cotton News 13(1): 5. Aug. 1935. Part 2. Mid-South Cotton News 13(2): 2-3. Sept. 1935.
- CUMINGS, G. A. Mechanical placement of fertilizers: review of recent developments. Agr. Engin. 16:396-398. Oct. 1935.
- McCRORY, S. H. Farm may be changed by use of improved machines. Farm Impl. News 56(33): 56. Nov. 7, 1935.

Bureau of Animal Industry

- BYERLY, T. C., BURROWS, W. H. and TITUS, H. W. Testis stimulating potency of frozen turkey pituitaries injected subcutaneously into young male chicks. Poultry Sci. 14 : 189-190 May 1935.
- GODFREY, A. B., and JULL, M. A. Statistical studies on the inheritance of sexual maturity in White Leghorns and Rhode Island Reds. Poultry Sci. 14 : 346-350. Nov. 1935.
- HENDRICKS, W. A. The statistical treatment of hatchability data. Poultry Sci. 14 : 365-372. Nov. 1935.
- JULL, M. A. Real test of a breeder. Feathered World 93:299 Sept. 20, 1935.
- KNOX, C. W. New standards adopted by the poultry industry. Successful Farming 33 (11) : 26, 56-58. Nov. 1935.
- Poultry genetics simplified. Poultry Tribune 41 (12) : 7, 11-12 Dec. 1935.
- A practical breeding program. Amer. Poultry Jour. 66 (12) : 3, 11 Dec. 1935

*These lists are prepared in the bureaus under which they are listed, with the exception of the Office of the Secretary, the Agricultural Adjustment Administration, and Soil Conservation Service.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry
(continued)

- LOWE, C. D. Hot on the trail of sheep parasites. Agr. Leaders Digest 16 (8) : 14-15 Nov. 1935.
- McINTOSH, A. New host records of parasites. Helminthol. Soc. Wash., Proc. 2 : 80. July 1935.
- A progenetic metacercaria of a Clinostomum in a West Indian land snail. Helminthol. Soc. Wash., Proc. 2: 79-80. July 1935.
- McVEY, W. C. Determination of nitrate and nitrite nitrogen in meats and meat products. [Ann. Conv., Proc., 50th. Oct. 1934] Assoc. Off. Agr. Chem. Jour. 18 : 414-417. Aug. 15, 1935.
- Improved method for the determination of nitrates in meats and meat products. Jour. Assoc. Off. Agr. Chem. 18 : 459-464. Aug. 15, 1935.
- MOHLER, J. R. Federal influence in the humane treatment of livestock. Natl. Humane Rev. 23 (12) : 8-9. Dec. 1935.
- What the national plan for poultry improvement means. Internatl. Baby Chick News: Sept. 1, 1935. 1, 9-10. Also in U.S. Egg and Poultry Mag. 41 (10) : 20-21, 52-56. Oct. 1935.
- PRICE, E. W. Descriptions of some heterophyid trematodes of the subfamily Centrocestinae. Helminthol. Soc. Wash., Proc. 2 : 70-73. July 1935.
- QUINN, J. P. and BURROWS, W. H. Effects of female sex hormone on plumage color. Jour. Heredity 26 : 299-303. Aug. 1935.
- SHAHAN, M. S., and GILTNER, L. T. Equine encephalomyelitis studies. 1. Cross-immunity tests between eastern and western types of virus. Jour. Amer. Vet. Med. Assoc. 86 (n.s. 39) : 764-772. June 1935.
- SKINKER, M. S. Miscellaneous notes on cestodes. Helminthol. Soc. Wash., Proc. 2 : 68. July 1935.
- WEHR, E. E. A restudy of Filariopsis arator Chandler, 1931, with a discussion of the systematic position of the genus Filariopsis van Thiel, 1926. Jour. Wash. Acad. Sci. 25 : 415-418. Sept. 15, 1935.
- A revised classification of the nematode superfamily Filarioidea. Helminthol. Soc. Wash., Proc. 2 : 84-88. July 1935.
- WRIGHT, W. H. Trichinosis. Farm Jour. 59 (11) : 49. Nov. 1935.

Bureau of Biological Survey

- ALDOUS, C. M. The last of the caribou. Conserv. 1 (3): 2. Oct. 1935. (Condensed from Nat'l. Waltonian.)
- ASHBROOK, F. G. Fur resources--the stepchild of conservation. Conserv. 1 (2): 6. Aug. 1935. (Condensed from Fur Trade Rev.)
- COTTAM, CLARENCE. Food preferences and requirements of the white-tailed deer in New York State, by L. A. Maynard, Gardiner Bump, Robert Darrow, and J. C. Woodward. Bul. 1, Joint contribution of the New York State Conservation Department and New York State College of Agriculture. 35 pp., illus., Jan. 1935. (Review.) Jour. Mammal. 16: 330-331. Nov. 1935.
- DARLING, J. N. Desert makers. Conserv. 1 (3): 5. Oct. 1935. (Condensed from Country Gentleman.)
- The wild duck racket. Today 5 (2): 15. Nov. 2, 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey
(continued)

- GILCHRIST, D. A. Fair deal to birds and sportsmen. Ariz. Wild Life 6 (10):
2. Oct. 1935.
- GOLDMAN, E. A. Two new pocket gophers of the genus Thomomys. Biol. Soc.
Wash. Proc. 48: 149-152. Oct. 31, 1935.
- Pocket gophers of the Thomomys bottae group in the United States.
Biol. Soc. Wash. Proc. 48: 153-158. Oct. 31, 1935.
- New American mustelids of the genera Martes, Gulo, and Lutra.
Biol. Soc. Wash. Proc. 48: 175-186. Nov. 15, 1935.
- LINCOLN, F. C. Raise ducks! Field and Stream 40 (6): 34-35, 63-65. Oct. 1935.
- SHELDON, H. P. Guns and game: Sorrows of the wild-fowler; the fowling
piece; Camp Perry notes; high-velocity rifles. Sportsman 18 (5): 56-58.
Nov. 1935.
- TAYLOR, W. P. Ecology and life history of the porcupine (Erethizon epixanthum)
as related to the forests of Arizona. Univ. of Ariz. Bul. 6 (5). 177 p.
July 1, 1935. (Biol. Sci. Bul. 3).
- ZAHNISER, HOWARD. In December. Nature Mag. 26: 327. Dec. 1935.

BUREAU OF DAIRY INDUSTRY

- BURKEY, L. A., SANDERS, G. P., and MATHESON, K. J. The bacteriology of Swiss
cheese. IV. Effect of temperature upon bacterial activity and drainage in
the press. Jour. Dairy Sci. 18: 719-731. Nov. 1935.
- HODGSON, R. E. Pasture and pasture management. Wash. State Col. Inst. Dairying.
Proc. 8(1935): 120-124. 1935.
- RAMSDELL, G. A., JOHNSON, W. T., jr., and EVANS, F. R. Investigation of resazurin
as an indicator of the sanitary condition of milk. Jour. Dairy Sci. 18: 705-
717. Nov. 1935.
- REED, O. E. Dried skim milk finds many uses. Agr. Leaders' Digest 16: 18.
Nov. 1935.
- WHITTIER, E. O., and TRIMBLE, C. S. Differences in the lactic acid percentages
in butters. Indus. and Engin. Chem., Anal. Ed. 7: 389-390. Nov. 15, 1935.

Bureau of Entomology and Plant Quarantine

- BACK, E. A. (With C. G. Weber and M. B. Shaw, Bur. Standards) Effects
of fumigants on paper. U. S. Dept. Com. Bur. Standards. Jour. re-
search 15: 271-275. Sept. 1935.
- FISHER, W. S. New cerambycid beetles from Puerto Rico. Puerto Rico Univ.
Jour. Agr. 19: 51-63. Apr. 1935.
- New eucnemid beetles from Puerto Rico. Puerto Rico Univ. Jour. Agr.
19: 65-66. Apr. 1935.
- JONES, M. P. A peculiar insect situation along a seashore. Ent. Soc.
Wash. Proc. 37: 150-151. Oct. 1935.
- PETERS, H. S. Two new biting lice (Mallophaga: Philopteridae) from birds of
the United States. Ent. Soc. Wash. Proc. 17: 146-149. Oct. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine
(continued)

- ROARK, R. C. Insecticides for combating household pests. Exterminators Log 3(11): 11-13. Nov. 1935. (Also published under title "Household insecticides" in Soap 11(11): 101, 103, 117. Nov. 1935).
- SIMMONS, S. W. Adequacy of nutritional retardation in culture of sterile maggots for surgical use. Arch. Surg. 30: 1024-1031. June 1935.
- A bactericidal principle in excretions of surgical maggots which destroys important etiological agents of pyogenic infections. Jour. Bact. 30: 253-267. Sept. 1935.
- Use of low temperatures in culture and transportation of surgical maggots. Arch. Surg. 30: 1015-1023. June 1935.
- WAGNER, G. B., and COTTON, R. T. Factors affecting insect abundance in flour mills. Northwest. Miller 184: 522-523. Nov. 20, 1935.
- WILCOX, J. New asilid flies of the genus Ablautus with a key to the species. Canad. Ent. 67: 222-227. Oct. 1935.

Forest Service

- AUTEN, J. T. Successful forest planting requires better site appraisals. Jour. Forestry 33: 861-864. Oct. 1935.
- BROWN, A. A. Improving forest fire detection in California. Jour. Forestry 33: 923-931. Nov. 1935.
- CAMPBELL, R. S. Management of black grama ranges. Amer. Hereford Jour. 26: 74-76. Sept. 1, 1935.
- HALL, R. C. Handling and filing increment cores. Jour. Forestry 33: 821-822. Sept. 1935.
- HASTINGS, A. B. Austin Cary retires. Jour. Forestry 33: 820-821. Sept. 1935.
- LADENWICH, J. E. How much is a cord of pulpwood? Pacific Pulp and Paper Indus. 9(9): 5-10. Sept. 1935.
- MANNING, S. C. Green spots on the map - our National Forests. Earth Mover 22(10): 7-12. Oct. 1935.
- McKELLAR, A. D. The effects of eleven inches of rain on the Stuart Forest nursery. Jour. Forestry 33: 822-825. Sept. 1935.
- ROBINSON, C. S. Truck trails and firebreaks; their use by deer on the Santa Barbara National Forest. Jour. Forestry 33: 940-942. Nov. 1935.
- SHIRLEY, H. L. Light as an ecological factor and its measurement. Bot. Rev. 1: 355-381. Sept. 1935.
- SHOW, S. B. Honor the Forest Ranger. Rambler 1(1): 3-4. Aug. 1935.
- STARHAWK, W. N. Experimental forestry in Soviet Armenia. Jour. Forestry 33: 937-938. Nov. 1935.
- TIEMANN, H. P. What are the largest trees in the world? Jour. Forestry 33: 903-915. Nov. 1935.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Forest Service
(continued)

- WAKELEY, F. C. Collecting, extracting, and marketing southern pine seed. Naval Stores Rev. 45 (27): 6. Oct. 5, 1935.
- WIESLANDER, A. E. First steps of the forest survey in California. Jour. Forestry 33: 877-885. Oct. 1935.
- ZON, R. The forest...A plant society. Minn. Conservationist (27); 7, 18-19. Aug. 1935.

Bureau of Plant Industry

- BLAKE, S. F. Five new plants of the genus *Aplopappus*. Biol. Soc. Wash. Proc. 48: 169-173. Nov. 15, 1935.
- The genus *Chionopappus* of Bentham (Asteraceae). Jour. Wash. Acad. Sci. 25: 488-493. Nov. 15, 1935.
- BROWN, B. E., and HOUGHLAND, G.V.C. Fertilizer placement experiments with potatoes on prominent soil types in Maine, Michigan, New Jersey, New York, Ohio, and Virginia. General summary of 1934 results. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 13-18. (Rec'd Aug. 1935) Mimeographed
- COFFMAN, E. B., FULLER, G. C., and ENLOW, C. R. (With F.D. GARDNER, S.I. BECHDEL, P.S. WILLIAMS, C.F. NOLL, J.W. WHITE, and E.S. ERP, Penn. Agr. Expt. Sta.) Pasture fertilization. Penn. Agr. Expt. Sta. Bul. 323. 24 p. Sept. 1935.
- COVILLE, F. V. Origin of the genus name *Ribes*. Science 82: 491-492. Nov. 22, 1935.
- DARROW, G. M. Susceptibility of raspberry species and varieties to leaf spot (*Mycosphaerella rubi*) at Beltsville, Maryland. (Note) Phytopathology 25: 961-962. Oct. 1935.
- FISHER, D. F. Conservation et transformation des produits de l'horticulture et de la culture fruitière: réfrigération, séchage, conservation avec des substances variées - Utilisation et transformation industrielle des produits et sous-produits. Rap. Gen. Sect. VI, Theme 10, Cong. Internatl. Hort. 11., Rome, 1935. 10 p.
- HITCHCOCK, A. S. Grasses, what they are and where they live. Smithsn. Inst. Ann. Rpt. 1934: 297-312. 1935.
- HOUGHLAND, G.V.C. (With J. BUSHNELL, Ohio Agr. Expt. Sta.) Discussion of the Ohio fertilizer placement experiment on potatoes - 1934. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 23-25. (Rec'd Aug. 1935) Mimeographed
- (With W. O. STRONG, County Agent, Accomac Co., Va.) Fertilizer placement studies with potatoes in Virginia. Discussion of 1934 results. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 30-34. (Rec'd Aug. 1935) Mimeographed
- (With J.D. HARTMAN, Cornell Univ.) Fertilizer placement studies with potatoes on Long Island. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 35-38. (Rec'd Aug. 1935) Mimeographed

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- JONES, J. W., ADAIR, C.R., BEACHELL, H.M., and DAVIS, L.L. Inheritance of earliness and length of kernel in rice. Jour. Amer. Soc. Agron. 27: 910-921. Nov. 1935.
- JORDAN, H.V., HUNTER, J.H., and DAWSON, P.R. Fertilizer application for cotton in the blackland prairie section of Texas. Natl. Fertl. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 95-98. (Rec'd Aug. 1935) Mimeographed
- LeCLERG, E. L. Factors affecting experimental error in greenhouse pot tests with sugar beets. Phytopathology 25: 1019-1025. Nov. 1935.
- McKINNEY, H. H. The inhibiting influence of a virus on one of its mutants. Science 82: 463-464. Nov. 15, 1935.
- McMURTREY, J.E., jr. Summary of fertilizer placement experiments with tobacco in the Southeastern States. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 107-112. (Rec'd Aug. 1935) Mimeographed
- MAGNESS, J. R. Fruit growing in the United States. Rap. Natl. Sect. I, Theme 1 [no. 12] Cong. Internatl. Hort. 11., Rome, 1935. 11 p.
- MAGOON, C. A. Preservation and conversion of garden and fruit produce; refrigeration, drying, preservation by means of various treatments; industrial utilization and conversion of products and sub-products. Rap. Natl. Sect. VI, Theme 10, [no. 7] Cong. Internatl. Hort. 11., Rome, 1935. 11 p.
- MANN, C. W., and COOPER, W. C. Methods of refrigeration used in transportation of lemons. Ice and Refrig. 89: 291. Nov. 1935.
- MATZ, J. Some impressions of the Queensland sugar industry. Aust. Sugar Jour. 27: 351. Oct. 10, 1935.
- MIELKE, J. L. Rodents as a factor in reducing aecial sporulation of Cronartium ribicola. Jour. Forestry 33: 994-1003. Dec. 1935.
- MORRISON, B. Y. Plant material. Lilac species. Gard. Club Amer. Bul. 18: 82-86. Nov. 1935.
- NELSON, A. L. Soil erosion, Archer field station. Wyo. Agr. Expt. Sta. Bul. 208. 35 p. Oct. 1935. (In cooperation)
- PARKER, J. H. Advantages of one-variety wheat community. Northw. Miller 184: 579, 588. Nov. 27, 1935.
- RAMSEY, G. B. Peronospora in storage cabbage. (Note) Phytopathology 25: 955-957. Oct. 1935.
- ROBERTS, J. W. The principal diseases of horticultural crops in the United States. Rap. Natl. Sect. V, Theme 9, [no. 8] Congr. Internatl. Hort., 11., Rome, 1935. 12 p.
- SKINNER, J. J., and ADAMS, J.E. Discussion of South Carolina experiments on machine application of fertilizers to cotton. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 76-78. (Rec'd Aug. 1935) Mimeographed
- (With H.B. Mann, N.C. Agr. Expt. Sta. and E.T. BATTEN, Holland, Va. Agr. Expt. Sta.) Report on acid and neutral fertilizer experiments with cotton in 1934. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 72-75. (Rec'd Aug. 1935) Mimeographed

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry
(continued)

- SKINNER, J. J., SHARP, A. L., BAERT, G. M., and SERVISS, G. H. Results of machine application of fertilizer to snap beans in Florida. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 55-56. (Rec'd Aug. 1935) Mimeographed
- SHUDERNA, A. W., and HURST, L. A. (With E.M. MERVINE, Bur. Agr. Engin.) Machine placement of fertilizer to sugar beets. Natl. Fert. Assoc. Joint Com. Fert. Appl. Proc. (1934) 10: 99-103. (Rec'd Aug. 1935) Mimeographed
- SMART, H. F. Growth and survival of microorganisms at subfreezing temperatures. Science 82: 525. Nov.29, 1935.
- TAPKE, V. F. An effective and easily applied method of inoculating seed barley with covered smut. (Note) Phytopathology 25: 1038-1039. Nov. 1935.
- VERRALL, A. F. (With T. W. GRAHAM, Bur. Ent. & Plant Quar.) The transmission of Ceratostomella ulmi through root grafts. (Note) Phytopathology 25: 1039-1040. Nov. 1935.
- WESTOVER, H. L. Report of the third Alfalfa improvement conference, University farm, St. Paul, Minnesota. June 25, 1935. Lincoln, Nebr., 1935. 17 p. Mimeographed
- WINSTON, J. R. Reducing decay in early citrus. Tex. Citricult. and Farming 12(5): 10-11. Nov.1935.
- WYCKOFF, L. J., and STEVERS, A. F. Lavendar growing in America. Amer. Perfumer and Essential Oil Rev. 31(1): 67-71; 31(2): 79-83. Sept., Oct. 1935.

Bureau of Public Roads

- EWEN, Jean "Chutes" for snowslides in unique highway design. West.Construct.News 10: 300 Oct.1935.
- MACDONALD, Thomas H. Highway and grade crossing work. Planning and Civic Comment 1(3): 1-3. July-Sept.1935.
- Rational system of testing materials urged. Roads and Streets 78: 336 Oct.1935.
- Results from the public works highway program. Mich. Roads and Construct. 32(42): 7-8. Oct. 17, 1935.
- THEE, T. C. Performance of key equipment used in highway construction. Pt.3 Elevating grader and asphaltic concrete mixer. Roads and Streets 78: 317-322. Oct. 1935.

Soil Conservation Service

- MUSGRAVE, M. E. Distribution and utilization of flood waters. Science 52: 461-462. Nov. 15, 1935.

-O-O-O-O-O-O-O-

BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Exton, Elaine. Youth, a contemporary bibliography with annotations. Washington, 1935. 16 p. (U. S. Dept. of Interior. Office of education. Circular no. 152) Mimeographed.
- Leningrad. Arkticheskiĭ institut. A bibliography of Novaya Zemlya. Leningrad, The Chief administration of the Northern sea route editors, 1935. 240 p.
- International institute of agriculture. Library. Liste des periodiques reçus couramment par la Bibliothèque de l'Institut international d'agriculture (situation au 1er janvier 1935) Edition provisoire. Rome, 1935. 133 numb.1. Mimeographed.
- Merrill, Harold. Some recent references (since 1928) on national and state planning in the United States, compiled by Harold Merrill, James T. Rubey and William H. Heers. Washington, National resources committee, 1935. 24 p. (U. S. Geological survey. Bibliographical list no.5) Mimeographed.
- U. S. Bureau of foreign and domestic commerce. The leather industry, 1935. A bibliography prepared by J. G. Schnitzer. Washington, 1935. 22 p.
- U. S. Tennessee valley authority. Technical library. A bibliography of the Tennessee Valley Authority. Prepared by Harry C. Bauer. 1935. 25 p. Mimeographed.
- Supplement January-June 1935. 13 p. Mimeographed.

U. S. Department of Agriculture

- Bureau of agricultural economics. Library.
- Agricultural relief measures relating to the raising of farm prices - 71st Congress, April 15, 1929, to March 3, 1931. Compiled by Vajen H. Fischer. 1935. 76 p. Mimeographed.
- Agricultural relief measures relating to the raising of farm prices - 72nd congress, Dec. 7, 1931, to March 3, 1933. Compiled by Vajen H. Fischer. 1935. 59 p. Mimeographed.
- Economic development of the cotton-textile industry in the United States, 1910-1935; a selected bibliography. Compiled by Emily L. Day and Rachel P. Lane. Sept. 1935. 137 p. Mimeographed. (Agricultural economics bibliography No. 57)
- Price studies of the U. S. Department of agriculture showing demand-price, supply-price, and price-production relationships. Compiled by Louise O. Bercaw. 1935. 38 p. (Agricultural economics bibliography. no. 58) Mimeographed.
- Bureau of agricultural engineering. Library.
- Bibliography on fireplaces. (A selected list of references) 1900-1934. Compiled by Dorothy W. Graf. 1935. 16 p. Mimeographed.
- Bibliography on stone houses (a partial list of references) 1920-1934. Compiled by Dorothy W. Graf. 1935. 4 p. Mimeographed.

U. S. Department of Agriculture
(Continued)

Forest service.

An annotated bibliography; selective logging in the United States. Prepared under the direction of E. N. Munns, by William Mitchell and staff of the Forest service library. 1935. 41 p. Mimeographed.

Christmas trees. A bibliography compiled by Library, U. S. Forest Service. Nov. 1935. 9 p. Mimeographed.

Forestry. Some books and bulletins in English. A bibliography compiled by Library, U. S. Forest Service. Rev. ed. Nov. 1935. 26 p. Mimeographed.

Precipitation and climate, particularly as they affect the western states; a bibliography compiled by Library, U. S. Forest service. 1935. 16 p. Mimeographed.

Tree rings; a bibliography compiled by Library, U. S. Forest Service, 1935. 7 p. Mimeographed.

Library.

A list of American economic histories. Compiled by Everett E. Edwards, Associate Agricultural Economist, Bureau of Agricultural Economics. Nov. 1935. 25 p. (Bibliographical contributions no. 27) Mimeographed.

The Bibliographical Society of America News Sheet for November 25, 1935, contains a note saying that at the University of Illinois Library the following Master's theses have been completed: A List of Official Publications of the State of Louisiana, by Miss Lucy B. Foote of the Catalogue Department of Louisiana State University; the Official Publications of Nebraska, by Miss Sylvia Gilmore, University of Illinois Library; A Descriptive List of the Periodical Publications of the U. S. Government, by Miss Mahala Saville of the University of Mississippi Library; The Bibliographical work of the United States Government, with a Selected Annotated List of Important Bibliographies from January 1920 to January 1934, by Miss Esther Kleist, Council Bluffs High School Library, Council Bluffs, Iowa.

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NOTES ON PERIODICALS

Folha veterinaria. Professor Cicero Neiva. Caixa Postal 2191. São Paulo, Brazil. 8°. il. v. 1, no. 1, Sept. 1935.

Near East and India. London, Changed to Great Britain and the East, with v. 45, no. 1271, Sept. 26, 1935.

The Rambler. 119 East J Street, Colton, California. mo. il. 4°. v. 1, no. 1, Aug. 1935. \$1.00 a year in U.S. and possessions; \$2.00, Canada; \$1.50, foreign.

Revista de parasitologia, clinica y laborator. J. C. Zenea 115 (Neptuno y Preseverancia) La Habana, Cuba. bi-mo. 4°. il. v. 1, no. 1, Sept./Oct. 1935. \$3.00 a year.

Scottish milk marketing board. Official journal. Glasgow. Changed to Scottish marketing board. News letter, with Oct. 1935.

Texas citriculture with which is combined the Texas grower and shipper. Harlingen, Tex. Changed to Texas citriculture and farming with v. 11, no. 11, May 1935.

-O-O-O-O-O-O-O-O-

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1935*

Connecticut

MILES, G. A. 4-H poultry club manual. (Conn. State Col. Ext. Bul. 220.) Storrs, 1935.

Iowa

Program helps, 1935-1936 edition: A service for community programs. Prepared by Community Development Section, Extension Service. Iowa State Col. Ext. [unnumbered] [1935] Ames.

Kansas

WRIGHT, B. W., and others. The general business situation. (Kans. State Col. Ext. Circ. 119.) Manhattan, 1935.

WRIGHT, B. W., and others. Farm commodity outlook in Kansas for the winter and spring of 1935 and 1936. (Kans. State Col. Ext. Circ. 120.) Manhattan, 1935.

Kentucky

HORLACHER, L. J. Handling the wool clip. (Ky. Agr. Col. Ext. Circ. 72, rev.) Lexington, 1935.

GOOD, E. S., and others. Fundamentals of livestock judging: A study of types and breeds. (Ky. Agr. Col. Ext. Circ. 96, 3d ed., rev.) Lexington, 1935.

KINNEY, E. J., and others. Practices in seeding meadow and pasture crops. (Ky. Agr. Col. Ext. Circ. 242, 3d ed., rev.) Lexington, 1935.

HUNT, R. A., and BROOKS, J. B. Ventilation of tobacco barns. (Ky. Agr. Col. Ext. Circ. 279.) Lexington, 1935.

Minnesota

CHILD, A. M., and NILES, K. B. Honey, how to use it. (Minn. Univ. Agr. Ext. Spec. Bul. 122, rev.) University Farm, St. Paul, 1935.

ROE, H. B., and NEAL, J. H. Soil erosion control in farm operation. (Minn. Univ. Agr. Ext. Spec. Bul. 170.) University Farm, St. Paul, 1935.

ROE, H. B., and NEAL, J. H. Soil erosion control by engineering methods. (Minn. Univ., Agr. Ext. Spec. Bul. 171.) University Farm, St. Paul, 1935.

CHILD, A. M. Selection and use of bacon. (Minn. Univ. Agr. Ext. Spec. Bul. 172.) University Farm, St. Paul, 1935.

MILLER, D. G. Selecting good drain tile. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 43.) University Farm, St. Paul, 1935.

JOHNSON, E. C. The use of production credit by farmers. (Minn. Univ. Agr. Ext. Minn. Farm Business Notes no. 154.) University Farm, St. Paul, 1935.

Mimeographed.

*Prepared in Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1935
(continued)

Michigan

WESTVELD, R. H., and VAN CAMP, J. L. Forest planting on Michigan farms.
(Mich. State Col. Ext. Bul. 147.) East Lansing, 1935.

Missouri

ETHERIDGE, W. C., and HELM, C. A. Sweet clover in Missouri. (Mo. Agr. Col.
Ext. Circ. 329.) Columbia, 1935.

New Jersey

COX, H. R. Winter cover crops in New Jersey. (N. J. Agr. Col. Ext. Bul. 165.)
New Brunswick, 1935.

New Mexico

The home vegetable garden. (N. Mex. Agr. Col. Ext. Circ. 126, rev.) State
College, 1935.

New York

BLACKMORE, B. The purchasing of sheets and pillow cases. (N. Y. Agr. Col.
(Cornell) Ext. Bul. 333.) Ithaca, 1935.
WARING, E. B. Guidance and punishment: Some contrasts. (N. Y. Agr. Col.
(Cornell) Ext. Bul. 334.) Ithaca, 1935.

Pennsylvania

MORTON, F. E. Convenient kitchens make housework efficient. (Penn. State
Col. Ext. Circ. 155.) State College, 1935.

Puerto Rico

MEDINA, V. Semilleros y viveros de cafe. (Puerto Rico Univ. Agr. Ext. Bul.
5.) Rio Piedras, 1935.

South Carolina

Minimum food and feed production plan for South Carolina farms. Furnished by
South Carolina Emergency Relief Administration. (Clemson Agr. Col., S. C.,
Ext. Circ. 138.) Clemson, 1935.

Tennessee

GUTHRIE, M. L. General instructions for home canning. (Tenn. Agr. Col.
Ext. Pub. 185.) Knoxville, 1934.
SHIVERY, G. B. A practical example in farm woods management. (Tenn. Agr.
Col. Ext. Pub. 186.) Knoxville, 1934.
MCLEOD, J. H., and HOLMES, H. C. A planned farm program. (Tenn. Agr.
Col. Ext. Pub. 187.) Knoxville, 1935.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1935
(continued)

Vermont

CARRIGAN, J. E. Twentieth annual report of cooperative extension work in agriculture and home economics, state of Vermont for year 1934. (Vt. Agr. Col. Ext. Bul. 20.) Burlington, 1935.

Washington

GARVER, H. L. Home-made electric hay hoists. (Wash. State Col. Ext. Bul. 206.) Pullman, 1935.

Now is the time to repair the house. Let's talk about better farm homes in Washington. (Wash. State Col. Ext. Bul. 207.) Pullman, 1935.

KNOTT, J. C., and HAMPSON, C. C. Alfalfa hay an economical feed for dairy cows. (Wash. State Col. Ext. Circ. 23.) Pullman, 1935.

HILL, O. J. How to make a rope halter. (Wash. State Col. Ext. 4-H Club Circ. 36.) Pullman, 1935.

SMITH, F. F., and others. Summer force molting of hens for commercial egg production. (Wash. State Col. Ext. Poultry Pointers no. 21.) Pullman, 1935.

Wisconsin

LESCOCHIER, D. C. Trends toward security. (Wis. Agr. Col. Ext. Stenc. Circ. 166.) Madison, 1935.
Mimeographed.

Wyoming

BOWMAN, A. E. Twenty-second annual report. Brief report of agricultural extension work, 1934. (Wyo. Agr. Col. Agr. Ext. Serv. Bul. 8.) Laramie, 1935.

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ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
INCLUDING ONLY SCIENTIFIC AND TECHNICAL ARTICLES
REPORTING OR BASED ON EXPERIMENT STATION WORK*

Alabama

DAVIS, F. L. The chemical composition of the colloidal fractions from the major soil series of Alabama. Amer. Soil Surv. Assoc. Bul. 16: 139. May 1935. (Abstract)

Arkansas

CRAWLEY, E. M. (With E. C. TULLIS, U. S. Dept. Agr.) A comparison of *Leptosphaeria salvinii* and *Helminthosporium sigmoideum irregulare*. Jour. Agr. Research [U. S.] 51: 341-348. Aug. 1935.

JONES, J. W., ADAIR, C. R., BEACHELL, H. M., and DAVIS, L. L. Inheritance of earliness and length of kernel in rice. Jour. Amer. Soc. Agron. 27: 910-921. Nov. 1935. (J. W. Jones and L. L. Davis, U. S. Dept. Agr., and H. M. Beachell, Texas Agr. Expt. Sta.)

ROSEN, H. R. Rose blast induced by *Phytophthora syringae*. Jour. Agr. Research [U. S.] 51: 235-243. Aug. 1, 1935.

SMITH, M. E. Factors which affect the quality of canned tomatoes. I. A study of the physical and chemical constituents of Arkansas Marglobe tomatoes. Fruit Prod. Jour. and Amer. Vinegar Indus. 15: 81-83, 91. Nov. 1935.

California

ALMQUIST, H. J., (With F. W. LORENZ, Univ. Calif.) Firm white of fresh and storage eggs. Poultry Sci. 14: 340-341. Nov. 1935.

BASINGER, A. J., and BOYCE, A. M. Prompt treatment necessary for *Holcocera* control. Citrus Leaves 15: 7-9. Sept. 1935.

BEACH, J. R. Coryza and other respiratory infections in chickens. Internatl. Vet. Cong. [Rpt.] 12(1934) v. 3: 144-155. 1935.

BODMAN, G. B. The forest floor developed under conditions of summer rainfall deficiency in a Californian pine and fir forest. Amer. Soil Surv. Assoc. Bul. 16: 97-101. May 1935.

BRIGGS, F. N. Inheritance of resistance to mildew, *Erysiphe graminis hordei*, in a cross between Hanna and Atlas barley. Jour. Agr. Research [U. S.] 51: 245-250. Aug. 1, 1935.

COMPERE, H. Exploratory search for natural enemies of the red scale. Calif. Citrograph 20: 371, 382-383, 384-386, 388. Oct. 1935.

COSBY, S. W. Peat soils of California. Amer. Soil Surv. Assoc. Bul. 16: 102-104. May 1935.

CRUESS, W. V. A method of scoring experimental lots of fermented juices. Fruit Prod. Jour. and Amer. Vinegar Indus. 15: 70. Nov. 1935.

FROST, K. R. Tests of flat steel agitator blades. Agr. Engin. 16: 443-445. Nov. 1935.

GUILBERT, H. R., and HART, G. H. Minimum vitamin A requirements with particular reference to cattle. Jour. Nutrition 10: 409-427. Oct. 10, 1935. (In cooperation with U. S. Dept. Agr.)

*Prepared in Office of Experiment Stations Library

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California
(continued)

- HART, G. H. Deficiency diseases. Internatl. Vet. Cong. [Rpt.] 12(1934) v. 3; 473-484. 1935.
- KELLY, W. P., and SHAW, C. F. The meaning of the term solonetz. Amer. Soil Surv. Assoc. Bul. 16: 1-3. May 1935. (W. P. Kelly, Univ. Calif.)
- MACKIE, W. W., and SMITH, F. L. Evidence of field hybridization in beans. Jour. Amer. Soc. Agron. 27: 903-909. Nov. 1935.
- REGAN, W. M., MEAD, S. W., and GREGORY, P. W. An inherited skin-defect in cattle; the occurrence of a sub-lethal epithelial defect in a Jersey herd, and a plan for eliminating lethal genes. Jour. Heredity 26: 357-362. Sept. 1935.
- SHAW, C. F. New soil series names 1933-34. Amer. Soil Surv. Assoc. Bul. 16: 6. May 1935.
- SHAW, C. F. Terms indicating origin of soils. Amer. Soil Surv. Assoc. Bul. 16: 4. May 1935.
- SHAW, C. F. What characteristics distinguish pedalfers from pedocals? Amer. Soil Surv. Assoc. Bul. 16: 5. May 1935.
- SMITH, R. H., and PARKER, E. R. Use of zinc with oil sprays. Calif. Citro-graph 20: 374. Oct. 1935.
- SMITH, R. H., and PARKER, E. R. Zinc uses with various oil sprays. Citrus Leaves 15: 5. Sept. 1935.
- SNYDER, W. C. St. John's disease of pea in Europe. Zentbl. Bakt. [etc.] II. Abt. v. 91: 449-459. April 6, 1935.
- TINLEY, J. M. Problems of creamery operating efficiency in California. Jour. Farm Econ. 17: 732-735. Nov. 1935. (Notes)

Colorado

- KLEMMEDSON, G. S. Discussion of "Studies of local government as an approach to the question of farm taxation," by M. P. Catherwood. Jour. Farm Econ. 17: 695-701. Nov. 1935.
- LEONARD, W. H. The relation between bushel weight and maturity in corn. Jour. Amer. Soc. Agron. 27: 928-933. Nov. 1935.

Connecticut (State)

- LUNT, H. A. Forest lysimeter studies under pine. Amer. Soil Surv. Assoc. Bul. 16: 86-92. May 1935. (Abstract)
- MENDEL, L. B., and HUBBELL, R. B. The relation of the rate of growth to diet. III. A comparison of stock rations used in the breeding colony at the Connecticut agricultural experiment station. Jour. Nutrition 10: 557-563. Nov. 10, 1935.
- MORGAN, M. F., and STREET, O. E. Rates of growth and nitrogen assimilation of Havana seed tobacco. Jour. Agr. Research [U. S.] 51: 163-172. July 15, 1935.
- MORGAN, M. F. Report of the committee on edaphic relationships. Amer. Soil Surv. Assoc. Bul. 16: 145. May 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Florida

- BELL, C. E. Decomposition of organic matter in Norfolk sand: the effect upon soil and drainage water. Jour. Amer. Soc. Agron. 27: 934-946. Nov. 1935.
- NEAL, W. M., BECKER, R. B., and ARNOLD, P. T. D. The digestible nutrients of Napier grass and Crotalaria intermedia silages, Natal grass hay, and the dried refuses of grapefruit and orange canneries. Jour. Agr. Research [U. S.] 51: 173-176. July 15, 1935.
- NELLER, J. R. Phosphorus content and buffer capacity of plant sap as related to the physiological effect of phosphorus fertilizers in fibrous low-moor peat. Jour. Agr. Research [U. S.] 51: 287-300. Aug. 15, 1935.

Illinois

- BIGGER, J. H. Insects in relation to production of red clover seed. Seed World 38: 8-9, 30. Nov. 8, 1935.
- BRAY, R. H. The origin of horizons in claypan soils. Amer. Soil Surv. Bul. 16: 70-75. May 1935.
- MITCHELL, H. H. A correction to the paper entitled: The food value of ethyl alcohol. Jour. Nutrition 10: 5. Nov. 10, 1935.
- NORTON, E. A. Report of the committee on horizon criteria. Amer. Soil Surv. Assoc. Bul. 16: 149. May 1935.
- STAUFFER, R. S. Influence of parent material on soil character in a humid, temperate climate. Jour. Amer. Soc. Agron. 27: 885-894. Nov. 1935.

Indiana

- BULLARD, J. F. Syringomyelia in a Jersey calf. Jour. Amer. Vet. Med. Assoc. 87: 575-577. Nov. 1935. (Clinical and case reports)
- BUSHNELL, T. M. Quick tests for phosphorus and potassium in relation to soil survey work. Amer. Soil Surv. Assoc. Bul. 16: 76-80. May 1935.
- MAINS, E. B. Rust resistance in Antirrhinum. Phytopathology 25: 977-991. Nov. 1935.

Iowa

- HAMMER, B. W. The diketone produced when butter cultures are steam distilled with ferric chloride added. Jour. Dairy Sci. 18: 769-771. Nov. 1935.
- ROBOTKA, F. Some recent economic trends of concern to midwest cooperatives. Jour. Farm Econ. 17: 741-748. Nov. 1935. (Notes)

Kansas

- ACKERT, J. E. Factors in the resistance of chickens to the nematode Ascaridia lineata (Schneider). Trudy Din. Rasv. [Moskva] (Trans. Dyn. Devlpmt.) 10 (1935): 413-421. 1935.
- ANDERSON, J. E. The determination of moisture in wheat and wheat products. Northwestern Miller 184(2), Sect. 2: 25, 28. Oct. 16, 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Kansas (continued)

- CLAPP, A. L. Commercial fertilizers for potatoes in the Kansas River Valley. Amer. Potato Jour. 12: 219-221. Aug. 1935.
- HUGHES, J. S. The truth about vitamins. Northwestern Miller 184(2) Sect. 2: 54-55. Oct. 16, 1935.
- MEICHERS, L. E. Wheat must be bred for rust resistance. Northwestern Miller 184(2) Sect. 2: 63. Oct. 1935.
- PARKER, J. H. Advantages of one-variety wheat community. Northwestern Miller 184: 579,588. Nov. 27, 1935. (In cooperation with U. S. Dept. Agr.)
- PARKER, J. H. Breeding better quality wheats. Northwestern Miller 184(2) Sect. 2: 30-32. Oct. 16, 1935. (In cooperation with U. S. Dept. Agr.)
- PARKER, J. H. Rust resistance tests made in Kansas. Northwestern Miller 184(2) Sect. 2: 63-64. Oct. 16, 1935.
- PAYNE, L. F. Adaptation of the introductory course in poultry husbandry. Poultry Sci. 14: 342-345. Nov. 1935.
- RIDDELL, W. H. Insure your health with milk. Milk Plant Monthly 24: 37. Nov. 1935. (Radio talk)
- ROBERTS, J. B. Some factors affecting butter consumption. Jour. Farm Econ. 17: 735-738. Nov. 1935. (Notes)
- SMITH, R. C. The influence of civilization on the insect fauna in cultivated areas of North America. Smithsonian Inst. Ann. Rpt. 1933/34: 257-266. 1935.
- SWANSON, C. O. Factors that influence the protein content of wheat. Northwestern Miller 184(2) Sect. 2: 26-29. Oct. 16, 1935.
- SWANSON, C. O. The story of a grain of wheat from ripening to bin. Northwestern Miller 184(2) Sect. 2: 12-13. Oct. 16, 1935.
- SWANSON, C. O., and PARKER, J. H. The wheat meal time fermentation test. Northwestern Miller 184(2) Sect. 2: 14-16. Oct. 16, 1935.
- ZINK, F. J. Equilibrium moistures of some hays. Agr. Engin. 16: 451-452. Nov. 1935.
- ZINK, F. J. Specific gravity and air space of grains and seeds. Agr. Engin. 16: 439-440. Nov. 1935.

Kentucky

- BUCKNER, G. D., and HARMS, A. H. The influence of calcium carbonate in the feed of laying hens, upon digestion. Poultry Sci. 14: 360, 375, 380. Nov. 1935.
- EDWARDS, P. R. A serological variant of Salmonella aertrycke isolated from pigeons. Jour. Bact. 30: 465-471. Nov. 1935.
- INSKO, W. M., jr., and MARTIN, J. H. Mortality of the turkey embryo. Poultry Sci. 14: 361-364. Nov. 1935.
- JOHNSON, E. M., and VALLEAU, W. D. Cultural variations of Thielaviopsis basicola. Phytopathology 25: 1011-1018. Nov. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Louisiana

- SMITH, T. L. The social effects of land division in relationship to a program of land utilization. Jour. Farm Econ. 17: 702-709. Nov. 1935.
- UPF, C. W., and WATERS, N. F. A sex-linked lethal gene in the single comb White Leghorn fowl. Poultry Sci. 14: 372-379. Nov. 1935. (N. F. Waters, Iowa State Col.)

Maryland

- FISHER, R. A., and THOMAS, R. P. The determination of the forms of inorganic phosphorus in soils. Jour. Amer. Soc. Agron. 27: 863-873. Nov. 1935.

Massachusetts

- BOURNE, A. I., and WHITCOMB, W. D. Fruit insect pests in Massachusetts orchards in 1934. Mass. Fruit Growers' Assoc. Rpt. 41(1935): 141-143. 1935.
- BOURNE, A. I. Report of committee on diseases and insect pests. Mass. Fruit Growers' Assoc. Rpt. 41(1935): 144-145. 1935.
- GIBBS, C. S. Ultrafiltration experiments with the viruses of laryngotracheitis and coryza of chickens. Jour. Bact. 30: 411-417. Oct. 1934.
- SHAW, J. K. Variety certification in 1934. Mass. Fruit Growers' Assoc. Rpt. 41(1935): 146. 1935.
- SHAW, J. K. What about new peach varieties? Mass. Fruit Growers' Assoc. Rpt. 41(1935): 91-93. 1935.
- SHAW, J. K. What varieties to plant [of apple] Mass. Fruit Growers' Assoc. Rpt. 41(1935): 40-46. 1935.
- VAN ROEKEL, H. Present status of pullorum disease. Internatl. Vet. Cong. [Rpt.] 12(1934) v. 3: 92-104. 1935.

Michigan

- FABIAN, F. W., and SEVERENS, J. W. Moldiness in Romano cheese. Jour. Dairy Sci. 18: 773-775. Nov. 1935.
- FABIAN, F. W. The new era in ice cream sanitation. Ice Cream Rev. 19: 48, 50. Nov. 1935.
- GASTON, H. P. The Michigan pear industry. Rogue River Valley Pear-o-scope 3: 5. Oct. 1935.
- PENNINGTON, M., and GROSS, I. H. A study of children's wardrobes. Jour. Home Econ. 27: 647-649. Dec. 1935.

Minnesota

- BOYD, W. L. Sterility due to ovarian dysfunction. Internatl. Vet. Cong. [Rpt.] 12(1934) v. 2: 405-413. 1935.
- LACHAT, L. L., and PALMER, L. S. The comparative rachitogenic property of oats and corn. Jour. Nutrition 10: 565-577. Nov. 10, 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Minnesota
(continued)

- MURRAY, W. G. Farm mortgages and the government. Jour. Farm Econ. 17: 613-624. Nov. 1935.
STAKMAN, E. C. The 1935 black stem rust epidemic. Northwestern Miller 184(2) Sect. 2: 62. Oct. 16, 1935.

Mississippi

- MILES, L. E. The Verticillium wilt disease of cotton. Phytopathology 25: 972-973. Oct. 1935. (Abstract)
SMITH, M. R. A list of the ants of Oklahoma (Hymen: Formicidae). Ent. News 46: 235-241. Nov. 1935.

Missouri

- BAVER, L. D. (With W. G. HARPER, U. S. Dept. Agr.) The aggregation of desert soils. Amer. Soil Surv. Assoc. Bul. 16: 54. May 1935.
BAVER, L. D. Factors contributing to the genesis of soil micro-structure. Amer. Soil Surv. Assoc. Bul. 16: 55-56. May 1935.
BAVER, L. D., and WINTERKORN, H. Sorption of liquids by soil colloids. II. Surface behavior in the hydration of clays. Soil Sci. 40: 403-419. Nov. 1935.
HAMMAR, C. H. Discussion of "Studies of local government as an approach to the question of farm taxation," by M. P. Catherwood. Jour. Farm Econ. 17: 693-695. Nov. 1935.
HOGAN, A. G., BOUCHER, R. V., and KEMPSTER, H. L. Adequacy of simplified rations for the complete life cycle of the chick. Jour. Nutrition 10: 535-547. Nov. 10, 1935.
PASCHALL, A. H., BURKE, R. T. A., and BAVAR, L. D. Aggregation studies on the Muskingum, Chester and Lansdale silt loams. Amer. Soil Surv. Assoc. Bul. 16: 44-45. May 1935. (A. H. Paschall and R. T. A. Burke, Univ. Mo.)
REID, W. H. E. The continuous freezer: its effect on texture. Ice Cream Rev. 19: 50. Nov. 1935.
THOMSEN, F. L. The direct marketing controversy. Jour. Farm Econ. 17: 738-741. Nov. 1935. (Notes)

Nebraska

- BLISH, M. J. Baking test as a method of measuring quality in winter wheat. Northwestern Miller 184(2) Sect. 2: 10-11. Oct. 16, 1935.
WERNER, H. O. The effect of temperature, photoperiod and nitrogen level upon tuberization in the potato. Amer. Potato Jour. 12: 274-280. Oct. 1935.

Nevada

- CHURCH, J. E. Principles of snow surveying as applied to forecasting stream flow. Jour. Agr. Research [U. S.] 51: 97-130. July 15, 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

New Jersey

- BECKWITH, C. S. Dusting cranberry bogs from the air. Amer. Cranberry Growers' Assoc. Proc. 66(1935): 14-16. 1935.
- DOEHLERT, G. The compatibility of pyrethrum insecticides with bordeaux mixture. Amer. Cranberry Growers' Assoc. Proc. 66(1935): 6-10. 1935.
- GINSBURG, J. M., SCHMITT, J. B., and GRALETT, P. Comparative toxicity of anabesine and nicotine sulphates to insects. Jour. Agr. Research [U. S.] 51: 349-354. Aug. 15, 1935.
- JOFFE, J. S. "Terra rosa" and red loams and their relation to other zonal soil types. Amer. Soil Surv. Assoc. Bul. 16: 60-65. May 1935.
- WAKSMAN, S. A., and HUTCHINGS, I. J. Chemical nature of organic matter in different soil types. Soil Sci. 40: 347-363. Nov. 1935.
- WAKSMAN, S. A. The role of bacteria and other microorganisms in the decomposition of cellulose in nature. Jour. Bact. 30: 441. Oct. 1935.

New York (Cornell)

- BLODGETT, F. M. (With E. K. COWAN, Cornell Univ.) Relative effects of calcium and acidity of the soil on the occurrence of potato scab. Amer. Potato Jour. 12: 265-274. Oct. 1935.
- CATHERWOOD, M. P. Studies of local government as an approach to the question of farm taxation. Jour. Farm Econ. 17: 682-693. Nov. 1935.
- HALL, G. O. The value of the pedigree in breeding for egg production. Poultry Sci. 14: 323-329. Nov. 1935.
- HEUSER, G. F. A preliminary report on the vitamin G requirement of turkeys. Poultry Sci. 14: 376-378. Nov. 1935.
- McCAY, C. M. Iodized salt a hundred years ago. Science n.s. 82: 350-351. Oct. 11, 1935. (Discussion)

New York (State)

- CROSIER, W. Some ecologic relations of the potato and its chief fungous parasite, Phytophthora infestans. Amer. Potato Jour. 12: 205-219. Aug. 1935.
- HENING, J. C. The standardization of the Borden Body Flow Meter for determining the apparent viscosity of cream. Jour. Dairy Sci. 18: 751-756. Nov. 1935.
- PARROTT, P. J. Insect pest problems and solutions in the northeast. Mass. Fruit Growers' Assoc. Rpt. 41(1935): 65-68. 1935.
- PARROTT, P. J. New developments in dormant spray programs. Mass. Fruit Growers' Assoc. Rpt. 41(1935): 73-77. 1935.

New Hampshire

- RASMUSSEN, E. J. Five years of storage research on New Hampshire apples. Mass. Fruit Growers' Assoc. Rpt. 41(1935): 153-163. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

North Carolina

- FULTON, B. B. Rhythm, synchronism, and alternation in the stridulation of Orthoptera. Jour. Elisha Mitchell Sci. Soc. 50: 263-267. Dec. 1934.
- LEHMAN, S. G. Soil contamination as a factor in crop infestation of tobacco mosaic. Jour. Elisha Mitchell Sci. Soc. 50: 44-45. Dec. 1934. (Abstract)
- WELLS, B. W. Galls and "galls". Jour. Elisha Mitchell Sci. Soc. 50: 65-74. Dec. 1934.

Ohio

- CONREY, G. W. Soil type as a basis for land appraisal in the Muskingum watershed conservancy district. Amer. Soil Surv. Assoc. Bul. 16: 42-43. May 1935.
- DODD, D. R. The place of nitrogen fertilizers in a pasture fertilization program. Jour. Amer. Soc. Agron. 27: 853-862. Nov. 1935.
- KOHNKE, H., and BRADFIELD, R. Factors affecting the redox potential of soils. Amer. Soil Surv. Assoc. Bul. 16: 85. May 1935. (Abstract)
- REBRASSIER, R. E. A note on *Oncicola canis* (Knapp), a parasite of the dog. Jour. Amer. Vet. Med. Assoc. 87: 573-574. Nov. 1935.

Oklahoma

- ALBRIGHT, W. P., and THOMPSON, R. B. Variations of egg yolk color and characteristics produced by feeding and environment. Poultry Sci. 14: 373-375. Nov. 1935.
- BLACKWELL, C. P. Oklahoma's need for a state land policy. Okla. Acad. Sci. Proc. (1934) v. 15: 119-121. 1935.
- DANIEL, H. A. The magnesium content of grasses and legumes and the ratios between this element and the total calcium, phosphorus, and nitrogen in these plants. Jour. Amer. Soc. Agron. 27: 922-927. Nov. 1935.
- GALLUP, W. D. The effect of early vitamin depletion on the capacity of animals to grow and develop during later life. Okla. Acad. Sci. Proc. (1934) v. 15: 58. 1935.
- HARPER, H. J. A preliminary survey of important factors which affect tree development in western Oklahoma. Okla. Acad. Sci. Proc. (1934) v. 15: 73-77. 1935.
- HELLER, V. G., and JONES, M. Iodine in Oklahoma vegetables. Okla. Acad. Sci. Proc. (1934) v. 15: 51. 1935.
- MURPHY, H. F. The effect of fertilization on the replaceable bases in the soil. Okla. Acad. Sci. Proc. (1934) v. 15: 41-43. 1935.
- REIDER, R. E., and GALLUP, W. D. Hair-loss as affected by diet with particular reference to the effect of gossypol. Okla. Acad. Sci. Proc. (1934) v. 15: 52-54. 1935.
- REIDER, R. E. The quantitative determination of lipase in milk. Okla. Acad. Sci. Proc. (1934) v. 15: 49-50. 1935.
- REIDER, R. E., and GALLUP, W. D. Studies of the rate of digestion and absorption during avitaminosis B and G. Okla. Acad. Sci. Proc. (1934) v. 15: 58-61. 1935.
- WEBSTER, J. E., and KILTZ, B. F. Oil and protein studies of Oklahoma grown soy beans. Okla. Acad. Sci. Proc. (1934) v. 15: 32-36. 1935.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Oregon

JOHNSON, W. T. Fowl pox.. Internatl. Vet. Cong. [Rpt.] 12(1934) v. 3: 219-231. 1935.

Pennsylvania

FARRELL, M. A. Comparative productivity tests of presumptive test media with pure cultures of the Coliaerogenes group. Jour. Bact. 30: 445. Oct. 1935.
FORBES, E. B. [and others] The utilization of energy producing nutriment and protein as affected by individual nutrient deficiencies. III. The effects of the plane of protein intake. Jour. Nutrition 10: 461-479. Nov. 10, 1935.

McINTYRE, A. C. Trees and erosion control. Amer. Soil Surv. Assoc. Bul. 16: 110-114. May 1935. (In cooperation with U. S. Dept. Agr.)

NIXON, E. L. Relation of tuber shape to depth of planting. The Guide Post 12: 1, 8. Oct. 1935.

THOMAS, W. The distribution and condition of phosphorus in three horizons of a differentially fertilized Hagerstown clay loam soil planted to apple trees in metal cylinders. Jour. Agr. Research [U. S.] 51: 321-339. Aug. 15, 1935.

South Carolina

SMITH, R. L. Studies on phosphate rock as a filler substitute in fertilizer mixtures. Com. Fert. 51: 14, 16, 18, 20, 22-24. Nov. 1935.

South Dakota

HUTTON, J. G. Report of the committee on soil conservation. Amer. Soil Surv. Assoc. Bul. 16: 144. May 1935.

HUTTON, J. G. Soil erosion and soil ruin in South Dakota. Amer. Soil Surv. Assoc. Bul. 16: 123. May 1935.

Texas

REEVES, R. G., and MANGELSDORF, P. C. Chromosome numbers in relatives of Zea mays L. Amer. Nat. 69: 633-635. Nov.-Dec. 1935.

Utah

KNOWLTON, G. F., and SMITH, C. F. Notes on Utah Scarabaeidae and Chrysomelidae (Coleoptera). Ent. News 46:241-244. Nov. 1935.

Virginia

ZIMMERLEY, H. H. Report of present and future activities of the horticultural committee on fertilizer application. Joint Com. on Fert. Application Proc. 9 (1933): 3-6. [1934?]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS
(Continued)

Wisconsin

- HECK, A. F. Availability and fixation of phosphorus in Hawaiian soils. Jour. Amer. Soc. Agron. 27: 874-884. Nov. 1935.
- IVANOFF, S. S. Studies on the host range of *Phytophthora stewartii* and *P. vascularum*. Phytopathology 25: 992-1002. Nov. 1935.
- PHILLIPS, P. H., ENGLISH, H., and HART, E. B. The augmentation of the toxicity of fluorosis in the chick by feeding desiccated thyroid. Jour. Nutrition 10: 399-407. Oct. 10, 1935.
- RIKER, A. J. (With F. R. JONES, U. S. Dept. Agr., and M. C. DAVIS, Univ. Wis.) Bacterial leaf spot of alfalfa. Jour. Agr. Research [U. S.] 51: 177-182. July 15, 1935.
- SOMMER, H. H., and MATSEN, H. The relation of mastitis to rennet coagulability and curd strength of milk. Jour. Dairy Sci. 18: 741-749. Nov. 1935.
- STEBNITZ, V. C., and SOMMER, H. H. The age thickening of sweetened condensed milk. I. Seasonal variations. Jour. Dairy Sci. 18: 757-768. Nov. 1935.
- THOMPSON, W. S., and PETERSON, W. H. Chemical composition of canned peas of two varieties of different sizes and grades. Jour. Agr. Research [U. S.] 51: 365-370. Aug. 15, 1935.
- TRUOG, E. (With M. DROSDOFF, Univ. Wis.) Determination of the mineral content of soil colloids. Amer. Soil Surv. Assoc. Bul. 16: 136-138. May 1935.
- ULLSTRUP, A. J. Studies on the variability of pathogenicity and cultural characters of *Gibberella saubinetii*. Jour. Agr. Research [U. S.] 51: 145-162. July 15, 1935. (In cooperation with U. S. Dept. Agr.)
- WALKER, J. C., and LARSON, R. H. Calcium cyanamide in relation to control of clubroot of cabbage. Jour. Agr. Research [U. S.] 51: 183-189. July 15, 1935. (J. C. Walker, U. S. Dept. Agr.)
- WHITSON, A. R. Land classification in Wisconsin. Amer. Soil Surv. Assoc. Bul. 16: 39-41. May 1935.

Wyoming

- DUNNEWALD, T. J. Soil solution changes in the arid profile. Amer. Soil Surv. Assoc. Bul. 16: 93-96. May 1935.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during November, 1935, exclusive of Bibliographies*
and current issues of serials.**

Office of the Secretary

Agriculture looks both ways. Address by Henry A. Wallace at the 10th anniversary broadcast of the Farm forum, station WGY, Schenectady, New York, Nov. 1, 1935. 6 p.

America considers its constitution. Address by Henry A. Wallace on invitation of the Academy of political science, Columbia university, New York City, Nov. 14, 1935. 21 p.-

Do consumers protest enough? Remarks by Henry A. Wallace over the National farm and home hour, National broadcasting company, Nov. 27, 1935. 4 p.

How much more should farmers produce? Remarks by Henry A. Wallace over the National farm and home hour, NBC, Nov. 18, 1935. 5 p. Delivered in the absence of the Secretary by M. L. Wilson.

How the Canadian trade agreement will affect farmers. Remarks by Henry A. Wallace over the National farm and home hour, NBC, Nov. 21, 1935. 5 p.

Pigs and pig iron. Remarks by Henry A. Wallace over the National farm and home hour, NBC, Nov. 12, 1935. 5 p.

Processing taxes - real and imaginary. Remarks by Henry A. Wallace, over the National farm and home hour, Nov. 5, 1935. 4 p.

The place of food research in national recovery. Address of Henry A. Wallace before the Associated grocery manufacturers of America, at the Waldorf-Astoria hotel, New York City, Nov. 14, 1935. 12 p.

The regional principle and agricultural research. An address by M. L. Wilson before Experiment station directors on Monday, Nov. 18, at the 49th meeting of the Land-grant college association, Willard hotel, Washington, 1935. 12 p.

Agricultural Adjustment Administration

Chronological record of marketing agreements, licenses, orders, codes and amendments. May 12, 1933, to Nov. 1, 1935. 3 p.

Comments on the agricultural situation. Remarks by Henry A. Wallace, over the National farm and home hour, National broadcasting company, Oct. 29, 1935. 3 p. (Current information statement no. 11)

*Bibliographies included in general list of bibliographies on page 500-501.

**For a list of the principal series issued regularly, see v. 9, no. 10, p. 384.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Agricultural Adjustment Administration (Continued)

- Goals in agricultural adjustment. By F. F. Elliott. 1935. 21 p. Speech before the County planning project conference in Washington, D. C., on Oct. 25, 1935.
- Grower and consumer interests in the potato problem. Address by J. B. Hutson at Boston, Mass., Nov. 4, 1935. 12 p.
- Improving and protecting the farm income. By L. H. Bean. 1935. 9 p. Abstract of talks at: Columbus, Ohio, Sept. 20, 1935, Columbia, Mo., Oct. 10, 1935, and Madison, Wis., Oct. 18, 1935.
- The problems of a high-tariff creditor nation. Address by Henry A. Wallace, in the National radio forum, Washington, D. C., Oct. 14, 1935. 7 p. (Current information statement no. 9)
- Regional adjustment and democratic planning. Address by H. R. Tolley, before the meeting of the Association of land grant colleges, at Washington, D. C., Nov. 20, 1935. 26 p.
- The regional adjustment project: a summary and some suggestions for further work. By Oris V. Wells. 11 p. (Issued by Production planning section)
- What the AAA has done for the producer of cotton. Address by Cully A. Cobb, at Temple, Texas, Nov. 12, 1935. 7 p. (Current information statement no. 12)
- What would you do for agriculture? An address by Chester C. Davis over the Columbia broadcasting system, Oct. 23, 1935, in connection with Columbia's public opinion series. 1935. 5 p. (Current information statement no. 10)

Bureau of Agricultural Economics

- Agricultural outlook charts, 1926, 1935. 40 p.
- Barley statistics and surveys. Issued from general field headquarters, Grain division, 1935. 12 p.
- Car-lot shipments of fruits and vegetables in California during 1934. 1935. 48 p. (Issued by Market news service)
- The consumer and the standardization of farm products. Compiled by Caroline B. Sherman. Revised 1935. 14 p. (Issued by Division of economic information)
- Dairy products outlook charts for use with the Agricultural outlook for 1936. 1935. 32 p.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics
(Continued)

- The national food supply. Summary of the food situation for 1935-36. 1935.
8 p.
- 1934 food crop production as percentage of 1933 supply for selected crops,
by geographic groups of states. 1935. 2 p. (Issued by Division of crops and
livestock estimates).
- Poultry consumption and consumer preference for poultry in New York city,
Jan. 1935. By Alexander Sturges and Gordon W. Sprague. 1935. 17 p.
(In cooperation with the Emergency relief bureau of New York City)
- Prospects for increased foreign cotton production. By P. K. Norris. 1935.
13 p. (Address, Farmers' and farm women's short course, Louisiana State
university, Baton Rouge, La., Aug. 13, 1935).
- Quality of the 1935 crops: wheat, barley, oats, rye, and grain sorghums, Summary
report based on inspected receipts at representative markets, first quarter
1935 crop year. 1935. 9 p. (Issued by Grain division)
- Regional adjustment project and the county planning project. By Albert G.
Black. 1935. 2 p. (County planning project conference, Washington,
D. C., Oct. 25, 1935)
- Statistical report of the deciduous fruit export season, 1934-35. By Archie
C. Edwards. 1935. 19 p. (Foreign agricultural service. F.S.A. 443)
- Shipments of fruits and vegetables from producing regions to consuming markets
by motor truck, 1933 and 1934. Trends in motor-truck shipments, distances
shipped, and seasonal movement. 1935. 40 p. (Issued by Division of fruits
and vegetables)
- Tax delinquency of rural real estate in 19 Minnesota counties, 1928-33. 1935.
13 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 192 New Hampshire towns, 1928-33. 1935.
13 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 17 Kansas counties, 1928-33. 1935.
14 p. (Issued by Division of agricultural finance)
- Tax delinquency of rural real estate in 16 Montana counties, 1923-33. 1935.
14 p. (Issued by Division of agricultural finance)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(Continued)

Bureau of Biological Survey

- Abstract of fur laws, 1935-36. Compiled by Frank G. Grimes... 1935. 29 p. (Wildlife research and management leaflet BS-23) Issued by Division of public relations.
- Bounties paid by states. Compiled by Frank G. Grimes. 1935. 4 p. (Wildlife research and management leaflet BS-24) Issued by Division of public relations.
- Feed cost of producing young rabbits to weaning age. By Chas. E. Kellogg. 1935. 3 p. (Wildlife research and management leaflet BS-21) Issued by Division of wildlife research, Section of fur resources.
- Feed requirements in raising weaned rabbits to a weight of 6 pounds. By Chas. E. Kellogg. 1935. 4 p. (Wildlife research and management leaflet BS-22) Issued by Division of wildlife research, Section of fur resources.
- What shall we feed our pelters? By Chas. F. Bassett. 1935. 7 p. (Wildlife research and management leaflet BS-20)

Bureau of Chemistry and Soils

- Solid carbon dioxide methods, apparatus, uses; selected list of domestic and foreign patents. Compiled by V. A. Pease. 1935. 22 p. (Issued by Food research division)

Bureau of Entomology and Plant Quarantine

- A device for regulating the quantity of spray. By Oliver I. Snapp and J. R. Thomson. 1935. 3 p. (ET-62) (Issued by Division of fruit insect investigations)
- Laboratory methods of rearing four species of lepidopterous pests of truck crops. By M. C. Swingle. 1935. 5 p. (ET-64) (Issued by Division of control investigations)
- A trap for collecting insects. By J. U. Gilmore and Hoe Milam. 1935. 3 p. (ET-63) (Issued by Division of truck crop and garden insects)

Office of Experiment Stations

- Research in home economics at the land-grant institutions, 1935-1936. Compiled by Sybil L. Smith. 1935. 23 p.

Extension Service

- Foods and nutrition exhibits. Excerpts from 1934 annual reports of state and county extension agents. Prepared by Extension studies and teaching section. 1935. 14 p. (Extension service circular 226)

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Extension Service (Continued)

Report of boys' and girls' 4-H clubs in the central states, 1934. Twenty years of 4-H club accomplishment, 1914-34. By R. A. Turner. 1935. 19 p. (Extension service circular 225)

Report of home demonstration work, 1934. By Madge J. Reese. 1935. 16 p. (Extension service circular 228)

Forest Service

Famous trees. 1935. v.p. (Prepared by D. Priscilla Edgerton)

Propagation of game food and cover plants of the Lake states. 1935. 81 p. (Issued by Lake states forest experiment station)

Relation of cull percent to tree diameter and to percentage of trees with basal wounds in some eastern hardwoods. By George B. Hepting, and George G. Hedcock. 1935. 3 p. (Appalachian forest experiment station. Technical note no. 16)

Bureau of plant industry

Cultivation may be overdone. By Charles Thom. 1935. 2 p.

Descriptive list of plants available at United States plant introduction garden, Coconut grove, Fla., season, 1935-6. 1935. 5 p. (Issued by Division of plant exploration and introduction)

Micropopulations correlated to decomposition processes. By Charles Thom. 1935. 3 p.

The new coordinated federal-state cotton research program. 1935. 11 p. Presented to the Textile section of American society for testing materials at New York City, on Oct. 18, 1935, by Mr. H. W. Barre, of the Division of cotton and other fiber crops and diseases.

What is below ground? By Charles Thom. 3 p. 1935. Radio broadcast, Apr. 2, 1935.

Soil Conservation Service

Outline of investigations and summary of results: 1930-1935, Red Plains soil: erosion experiment station, Guthrie, Oklahoma. 1935. 18 p.

Soil erosion and its control in the United States: a paper given in the plenary session of the Third international congress of soil science. By W. C. Lowdermilk. 1935. 12 p.

Wildlife and erosion control, by H. H. Bennett. 1935. 13 p. Presented before 31st annual convention, National association of Audubon societies, New York, Oct. 29, 1935.

LIBRARIES AND HOME ECONOMICS

The following editorial on Libraries and Home Economics appeared in the Journal of Home Economics for November 1935, vol. 27, no. 9, p. 582:

"The United States is justly proud of its public libraries; yet the proportion of our population that can enjoy such service is much smaller than many of us realize, and even where it is available many of us do not make as good use of it as we might. More widespread library facilities and more efficient use of the ones there are, would certainly be helpful both in teaching and studying home economics and in making the general public understand the aims and accomplishments of the subject. It was because of this that in 1934 the executive committee of the American Home Economics Association appointed a special committee on home economics in education through libraries with Lula E. Smith of the State University of Iowa as chairman.

In attempting to formulate its work, this committee saw two interrelated problems; to educate home economists to increased appreciation of public libraries as sources of reliable books, periodicals, and other publications on home economics subjects and to keep librarians informed regarding desirable material in our field and ways in which patrons of libraries might make use of them. It quickly realized that the needs of school and adult study groups in home economics and kindred subjects offered one of the strategic approaches to both these goals and that cooperation with librarians was another essential. This year the committee is urging the organization of similar committees in all affiliated home economics associations. A little later it will doubtless have further suggestions to make.

The committee has already established cordial cooperative relations with the American Library Association, which is always ready to give active help in attempts to stimulate the support and use of libraries. The paper on page 553 is a result of this cooperation. It shows how ingenious the friends of libraries have been in making their facilities available in all sorts of places and how desirable it is to have them reach yet more of our people. Before this can happen, the general public must of course come to realize the value and possibility of such service; and since the latter can be of direct aid in home economics programs, home economists will naturally be glad to help in creating the legitimate demand.

The idea of having a special division in some part of the federal government devoted to promoting library service in the same general way that the United States Office of Education promotes educational interests seems an admirable one, and this item in the American Library Association's program will have the hearty support of many other organizations. The present proposal, worked out between the Association and the Commissioner of Education, is to include in the next budget of the Office of Education an appropriation sufficient to cover a division of libraries in that office. This plan is much simpler than the creation of a special independent agency, but even it will have its hurdles to pass, as do most new educational projects. Those who are seriously concerned to see such an aid given to library service must prepare to say their word for the cause. They can get more information about this proposal and library cooperation in general from the American Library Association, 520 North Michigan Avenue, Chicago, Illinois."

PUBLICATIONS OF THE UNITED STATES AGRICULTURAL SOCIETY

The United States Agricultural Society had a marked influence in the matter of the legislation of 1862 which resulted in the establishment of the U. S. Department of Agriculture. Its publications have, therefore, a special interest for agricultural libraries but they are a trial to the cataloguer because of their erratic numbering, pagination, and changes of title. Miss Harriet W. Pierson of the Catalog Division, Library of Congress, has recently made a thorough investigation of the file preparatory to the revision of the Library of Congress printed cards for the Journal. She has kindly allowed her findings to be published in advance in Agricultural Library Notes, as it was thought they might be of general interest.

There is a brief history of the society in the U. S. Department of Agriculture Report for 1866, pp. 525-526, in an article by Ben Ferley Poore on "The History of the Agriculture of the United States". A much fuller account may be found in "The President's Cabinet" by Henry B. Learned, 1912, pp. 318-345. This includes at the end a list of the publications of the society made up from the file in the Library of Congress. The Library of Congress printed cards will include the following brief statement about the history of the society based on these two articles.

"In 1841 a convention was held in Washington to organize a national agricultural society, with the fund which had been bequeathed by Hugh Smithson as its support. The establishment of the Smithsonian Institution prevented the carrying out of this plan. In 1852 another convention was called to meet in Washington, at which convention the United States Agricultural Society was formed. The society was incorporated 1860.

"The establishment of a Department of Agriculture was urged at every annual meeting of the society until the desired result was attained through the creation of that department by an act of Congress, May 15, 1862. The society was then relieved of many of its self-imposed duties, including the publication of a periodical devoted to the interests of agriculture. The operations of the society were interrupted by the Civil war, though it was kept alive and annual meetings prescribed by the constitution were held.

"There is record of but two publications of the society after 1862: Proceedings of the twenty-eighth annual meeting... January 14, 1880 (cover-title, 11 p.); Proceedings of the 29th annual meeting... January 12, 1881 (cover-title, 24 p.)

"A meeting was scheduled for January 11, 1882, at the Department of Agriculture, but no record of such meeting has been found, and the society apparently ceased to exist after 1881."

In recataloguing the file, Miss Pierson found two publications which are not included in Mr. Learned's list, namely, vol. 9, no. 1 of the Journal of the Society and a separate pamphlet entitled "Proceedings of the 28th Annual Meeting, January 14, 1880". This is probably even more rare than the Proceedings of the 29th annual meeting, 1881, which received special mention by Mr. Learned.

The full entry for the Journal of the Society as it will appear on the Library of Congress cards will be substantially as given on the next page except for the omission of the references to the history of the society, mention of which has already been made.

PUBLICATIONS OF THE UNITED STATES AGRICULTURAL SOCIETY
(continued)

United States Agricultural society.

The journal of agriculture (comprising the transactions and the correspondence of the United States agricultural society...) v. 1-v. 10, no. 1; Aug. 1852-Feb. 1862, Washington, D. C. [etc.] 1852-62.

10 v, in 5. illus., plates, diagrs. 23 cm.

Vol. 2 has imprint: Boston, 1855; v. 3: Washington, 1855 (on cover: Boston, 1856); v. 4: Boston, 1856 (on cover: 1857).

Vol. 1 comprises no. 1-3/4 Aug. 1852-Feb. 1854; v. 2-6, 1854-58, are annual volumes (v. 2-3, 5-6 being without volume numbers and v. 4 being incorrectly numbered v. 3); v. 7 comprises no. 1-4 [Apr.] 1859-Jan. [1860]; v. 8 is complete in 3 no., Apr.-Oct. 1860; v. 9, Feb. 1861, complete in 1 no.; v. 10, Feb. 1862, complete in 1 no. Material for v. 8, no. 4, v. 9, no. 2-4, v. 10, no. 2-4, was ready for printing or was in preparation, but no record has been found that these numbers were ever published. cf. v. 10, no. 1, p. 75 (cf. also v. 7, p. 76).

The paging of v. 8, no. 1 begins with p. [17]; of v. 9, no. 1, with p. [9]; of v. 10, no. 1, with p. [9] The missing page-numbers were reserved for title-pages and tables of contents.

Title varies: 1852-57, Journal of the United States agricultural society;
1858, Transactions and monthly bulletin of the United States
agricultural society.

1859-62, The Journal of agriculture... (Cover-title: The
Quarterly journal of agriculture).

Editors: 1852 (v. 1, no. 1) Daniel Lee.-1853 (v. 1, no. 2) J. C. G. Kennedy.-
1854-56 (v. 1, no. 3/4-v. 4) W. S. King.- 1857-62 (v. 5-10) B. P. Poore.

The Monthly Bulletin which forms a part of v. 6, 1858, has its own numbering, v. 1, no. 1-11.

List of members in v. 1, 3, 5-7.

Collation of volumes in L. C. set.

v. 1, no. 1, Aug. 1852.... iv, [5]-144 p. fold. front.

[no. 2] July 1853... 160 p.; (numbered on cover, no. 1); (on p. 160,
"end of no. 1")

[no. 3/4] Feb. 1854... 281 p. (p. 277-279 repeated)

[v. 2] 1854. Boston, 1855.... 255, [1] p.

[v. 3] 1855. Washington, D. C., 1855.... 261 p., 1 l.

[v. 4] (mis-numbered vol. III) 1856. Boston, 1856. (cover dated 1857)...
269, ii p.

[v. 5] 1857. Washington, D. C., n. d.... 290 p.

[v. 6] 1858. Washington, D. C., 1859.... 104 p., 1 l., 92 p.

[v. 7] 1859. Washington, D. C., 1860... viii, [9]-388 p.

(p. 1-88 apparently from the April number. cf. p. 76, 84)

v. 8, no. 1, Apr. 1860. [17]-192 p. (p. 1-16 reserved for t.-p. and
table of contents)

no. 2, July 1860... p. [193]-330.

no. 3, Oct. 1860... p. [331]-418.

v. 9, no. 1, Feb. 1861... [9]-72 p. (p. 1-8 reserved for t.-p. and
table of contents)

v. 10, no. 1, Feb. 1862... [9]- 76 p. (p. 1-8 reserved for t.-p. and
table of contents)

PUBLICATIONS OF THE UNITED STATES AGRICULTURAL SOCIETY
(continued)

In v. 10, no. 1, Feb. 1862, p. 75, the following statement is made:

"Only the first three of the four numbers of the Journal... 1860, have as yet been published and only the first number of the four which will form the volume... for 1861." The hope is expressed that the treasury might be sufficiently replenished to permit the publication of these four unprinted numbers, as well as the three remaining numbers of v. 10. Apparently this plan never materialized.

Other issues (Published in advance of the volume editions and differing slightly from those editions)

[v. 3] pt. 1, 1855. Washington, D. C., 1855. 33, [1] p. 23 cm.

[v. 4] pt. 1, 1856. Boston, 1856. 82 p. 22 cm.

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INTERNATIONAL INSTITUTE OF DOCUMENTATION
Copenhagen Congress

The following account of the meeting of the International Institute of Documentation in Copenhagen in September 1935 is abridged from Nature, November 2, 1935, p. 727 (v.36, no. 3444):

"Microphotography, as a means of distribution of data, rivalled such veteran subjects as decimal classification and cataloguing in discussions at the Copenhagen Congress of the International Institute of Documentation, on September 10-14. Marking the fortieth anniversary of the world bibliographic or documentation movement that arose out of the 1895 International Congress of Bibliography, this thirteenth Congress in a part of its programme provided, in effect, a 'clearing house' for current progress upon microphotographic duplication as visualised or practised in many lands.

Nearly fifty reports were presented to the Congress, and the advance volume of the Congress is an important addition to the literature of finding, classifying, preserving and distributing written information.....

The president of the Congress, Dr. J. Alingh Prins, president of the Dutch Patent Office, said in an opening address that documentation has three stages: (1) investigation as to what has been written about a subject or put into the form of a document; (2) filing the material so that the place of each subject may be determined instantly; (3) placing the material at the disposal of those who need it.

With regard to filing and classifying material, Dr. Prins said: "Collected material, which is not filed, is of little importance. What system of classification should be adopted? In theory this does not matter; the main thing is, that one and the same system is used nationally and internationally. We are convinced that the most serviceable system is the decimal system, invented by Melvil Dewey, and considerably improved in Brussels by Lafontaine and Otlet and since then brought to a high stage of development by the international classification committee of our Institute under Donker Duyvis, with the co-operation of a large number of prominent persons from different countries."

INTERNATIONAL INSTITUTE OF DOCUMENTATION
(continued)

Decimal classification, and the sessions of the committee charged with keeping the system in step with advancing knowledge, bulked large on the programme, with reports on its use in Germany, Switzerland, England, America, Holland, Norway, Sweden, Denmark, Finland and other countries.

Of fundamental importance was the paper presented by Dr. S. C. Bradford, keeper of the Science Library, London, which analysed the situation surrounding library service in the general field of science, including societies, research institutions, business and industrial organisations, etc., and came to the conclusion that a central library of science and technology would alleviate many of the disabilities under which scientific and technical work is carried out at the present time. A communicated paper by E. Lancaster Jones explained the classified bibliography operated by the Science Library. A paper by Watson Davis, director of Science Service, Washington, told of suggested applications of microphotographic duplication in making available existing literature in libraries and publishing scientific papers and monographs that cannot at present be issued promptly or in full.

Television was foreseen as a future tool in library service by Dr. Walther Schürmeyer, director of the Library of Art and Technology at Frankfurt, whose paper stressed primarily the possibility of applying photographic methods to the distribution of information from libraries.

How photographing of library cards upon motion picture film, and making enlargements from these convenient and inexpensive negatives, is done was the subject of a paper presented by Paul Vanderbilt, librarian of the Pennsylvania Museum of Art, who used this technique experimentally in connexion with a union catalogue of Philadelphia libraries. Experience with use of film copies and microphotoprints at the Huntington library in America was reported in a communication from Dr. L. Bendickson, and there was also a communicated report on photographic methods in connexion with documents and libraries by Dr. H. Joachim, director of the Zeiss Ikon concern at Dresden.

The question of the photocopying of books and literature in view of the copyright laws and rights of authors was the subject of one session. The standardisation of the format for film copies so as to simplify the exchange of film copies between different countries was urged in resolutions, with a recommendation for the use of 35 mm. film, perforated both sides, with width of image of 24 mm. and a reduction of approximately 12 to 1.....

Several related efforts in the field of documentation were made known and explained by documents distributed at the congress. The International Institute of Intellectual Co-operation of the League of Nations reported the progress in its endeavor to co-ordinate world efforts in the field of documentation, and the International Office of Chemistry, Paris, made available a report, "L'Utilisation du Film comme Support de la Documentation", giving proceedings of its April conference."

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COMMUNICATIONS OF THE INTERNATIONAL COMMITTEE
OF AGRICULTURAL LIBRARIANS

By Dr. Sigmund von Frauendorfer, Secretary

The office of President of the International Committee of Agricultural Librarians has been accepted by Miss Claribel R. Barnett, Librarian of the U. S. Department of Agriculture. Of the list of the proposed committee members previously announced, the following have accepted appointment:

- Dr. Jan. Bostik, Librarian, Czechoslovakian Academy of Agriculture, Prague.
- Mr. Charles H. Brown, Librarian, Iowa State College, Ames
- Dr. Per Hebbe, Librarian, Landbrukshögskolan, Uppsala
- Mr. C. H. Hooper, Librarian, South-Eastern Agricultural College, Wye, Kent
- Mr. Arne Johnson, Librarian, Norges Landbruks Høiskole, Aas
- Dr. H. N. Kooiman, Librarian, Landbouwhoogeschool, Wageningen
- Dr. S. Lewicky, Librarian, Agricultural College, Pulawy
- Mr. M. Lobedanz, Librarian, Kgl. Veterinaer og Landbohøjskole, København
- Mr. Fernando G. Luna, Chief, Agricultural Publications, Library of the Department of Agriculture, Madrid
- Prof. L. Mila, Manager, Service Bibliographique de la Société des Agriculteurs de France, Paris.
- Mr. Müller, Librarian, Landwirtschaftliche Hochschule, Berlin
- Dr. J. Stummvol, Librarian, Agricultural College, Ankara

At present the following countries are, therefore, represented: Czechoslovakia, Denmark, France, Germany, Great Britain, Netherlands, Norway, Poland, Spain, Sweden, Turkey, United States. Steps will be taken in the near future to invite the participation of librarians of countries which are not thus far represented.

In regard to the proposed affiliation of the Committee with the International Federation of Library Associations, the Secretary has corresponded with Dr. Sevensma, Librarian of the League of Nations and Secretary of the Federation. There appear to be two possible ways of collaboration. On the one hand the Committee could become a real member of the Federation with annual membership dues of 25-50 centimes (Swiss) per single member of the Committee. This type of affiliation would permit the Committee to publish its proceedings in the "Actes du Comité international des Bibliothèques" (Nijhoff). On the other hand, a simple collaboration would not involve any obligations on the part of either. It would, however, deprive the Committee of a means of publicity of certain importance. The Secretary of the Committee would be pleased to receive opinions from the members as to the best solution of this problem.

Several letters have been received by the Secretary, containing suggestions as to the most urgent items of the "Tentative Program" for the Committee's activity. It seemed advisable to start with the compilation of an international list of agricultural libraries and bibliographic centers, and also of an annotated list of current bibliographies in the field of agriculture and allied subjects.

COMMUNICATIONS OF THE INTERNATIONAL COMMITTEE
OF AGRICULTURAL LIBRARIANS
(continued)

The Library of the International Institute of Agriculture has recently published a preliminary edition of a list of all periodicals currently received. A copy of this list will be sent gratuitously to the members of the Committee.

The attitude of the American Library Association in relation to the International Committee of Agricultural Librarians is expressed in the Report of the Committee of the Agricultural Libraries Section of the American Library Association, on the proposed formation of the International Committee, and in the resolution submitted by Mr. C. H. Brown, which expresses a hearty approval of the formation of the International Committee. (See Bulletin of the American Library Association, v. 29, no. 9, Sept. 1935, p. 571-573)

The F. I. T. A. (Fédération Internationale des Techniciens Agronomes) was kind enough to facilitate the work of the Secretary by providing a typist, stationery, and postage for the correspondence.

In the future, announcements of the Committee will be found in the periodicals: "Technique agricole internationale", "Agence Agricole Internationale" (Rome, Via Regina Elena, 86), and in "Agricultural Library Notes" (United States Department of Agriculture Library, Washington, D. C.)

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LIST OF PERIODICALS CURRENTLY RECEIVED
IN THE INTERNATIONAL INSTITUTE OF AGRICULTURE LIBRARY

The "Liste des Periodiques reçus couramment par la Bibliothèque de l'Institut International d'Agriculture" (List of periodicals currently received in the Library of the International Institute of Agriculture) which has recently been issued by the Institute Library will be a very useful reference book in agricultural and scientific libraries. It contains the periodicals currently received by the Institute on January 1, 1935. The periodicals are arranged by country and under each country alphabetically by the title of the periodicals. The titles of the periodicals are given in the original languages. They are followed by the place of publication, by the frequency of issue, and by the call number which corresponds with the arrangement of the periodicals in the Library. At the end of the list there is an alphabetical index by subjects which groups the periodicals according to their contents. For the periodicals received since January 1, 1935, it is necessary to consult the "Revue Internationale d'Agriculture" published by the International Institute of Agriculture. In the numbers for March, June, September and December will be found under the heading "Publications reçues par la Bibliothèque", subdivision "Periodiques", a supplementary list of the new accessions.

It is interesting to note that 65 different countries are included in the geographical arrangement. The total number of periodicals listed is approximately 2600.

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BIBLIO-FILM SERVICE

Announcement

Under a cooperative arrangement recently made between Science Service and the Library of the U. S. Department of Agriculture, effective January 1, 1936, Science Service will take over the photographic work formerly carried on by the Biblio-Film Service operating in the Library, and also the business management of the film copying service. The laboratory, however, will continue to be located in the Library. The work of the Library, after January 1, 1936, will be confined to gathering and verifying material wanted from its own collections, including also related bibliographical work in its own field.

The Biblio-Film Service has been operating in the Library of the U. S. Department of Agriculture since November 15, 1934 with the purpose of making books and records in the Library available upon 35 mm. microfilms. It was inaugurated largely through the assistance of Dr. Atherton Seidell of the National Institute of Health, and of Dr. R. H. Draeger of the Medical Corps, U. S. Navy. The purpose of the service is (1) to decrease interlibrary loans of books by supplying directly to individuals, film copies of scientific articles, particularly those contained in periodicals, and (2) to extend the use of the resources of the Library to isolated scientific workers without adequate scientific facilities. The records of the use of the service during the past year show that it has been quite successful in fulfilling its purpose for it has unquestionably reduced the number of books which it would have been necessary to send out of town on interlibrary loan, and in addition, a number of libraries, firms and individuals are now making use of the Library's resources that had not used it previous to the inauguration of the film service.

For the purpose of discussion, Science Service has issued various documents discussing various phases of microphotographic duplication in the service of documentation. Document 72 contains a general discussion and will be sent free on request to Science Service, 2101 Constitution Avenue, Washington, D.C.

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